

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

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

, बुडान्ड मार्डानाडाम् १५ स्थापन वी-९, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 07th Apr 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 793006 Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 06.04.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-अप्रैल-2019 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 6th April 2019, is available at the NLDC website.

धन्यवाद,

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

Report for previous day Date of Reporting 7-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46898	49578	43116	15768	2379	157739
Peak Shortage (MW)	589	0	0	0	163	752
Energy Met (MU)	998	1209	1067	412	41	3728
Hydro Gen (MU)	203	28	66	37	4	338
Wind Gen (MU)	18	69	25			113
Solar Gen (MU)*	28.74	25.89	82.17	0.84	0.04	138
Energy Shortage (MU)	12.6	0.3	0.0	0.0	1.3	14.2
Maximum Demand Met during the day	46644	53226	44553	19605	2432	159089
(MW) & time (from NLDC SCADA)	19:48	11:43	09:29	00:12	18:23	11:46

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 0.031 0.00 0.00 1.96 1.96 71.02 27.03

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	6123	0	132.1	46.9	-1.2	-2	0.0
NR	Haryana	6530	193	128.4	98.6	0.8	146	0.9
	Rajasthan	9868	0	207.0	48.7	-0.4	236	0.0
	Delhi	3876	0	83.9	69.3	-1.7	110	0.0
	UP	17293	0	334.6	154.8	0.2	549	1.5
	Uttarakhand	1749	0	38.2	14.4	0.4	107	0.0
	HP	1377	0	27.0	9.7	0.7	151	0.0
	J&K	1943	486	43.0	28.3	-1.2	367	10.2
	Chandigarh	201	0	4.0	4.1	-0.1	23	0.0
	Chhattisgarh	4390	0	101.8	43.5	-3.9	192	0.0
	Gujarat	16572	0	377.2	105.6	3.8	257	0.0
	MP	9284	0	203.3	79.7	-0.4	537	0.0
WR	Maharashtra	20899	0	475.3	136.3	-0.2	323	0.0
WK	Goa	479	0	12.0	10.5	1.0	106	0.3
	DD	332	0	7.5	6.9	0.5	44	0.0
	DNH	777	0	18.2	18.2	0.0	60	0.0
	Essar steel	636	0	14.1	14.8	-0.8	151	0.0
	Andhra Pradesh	8609	0	186.1	58.6	-0.1	623	0.0
	Telangana	9131	0	207.2	81.2	-0.5	704	0.0
SR	Karnataka	11289	0	226.7	70.5	-0.2	587	0.0
3N	Kerala	4123	0	85.1	61.6	1.2	189	0.0
	Tamil Nadu	15599	0	353.5	193.5	-0.1	512	0.0
	Pondy	403	0	8.6	8.8	-0.1	29	0.0
	Bihar	4246	0	70.0	67.4	-2.5	200	0.0
	DVC	3074	0	64.1	-46.3	0.1	350	0.0
ER	Jharkhand	999	0	19.3	17.4	-3.4	50	0.0
EN	Odisha	5444	0	111.6	48.0	2.5	400	0.0
	West Bengal	7152	0	145.5	44.1	-8.6	100	0.0
	Sikkim	95	0	1.2	1.7	-0.5	20	0.0
	Arunachal Pradesh	120	2	2.0	2.3	-0.3	26	0.0
	Assam	1432	78	24.2	20.3	0.4	163	0.8
	Manipur	179	2	2.5	2.4	0.1	17	0.0
NER	Meghalaya	299	16	5.7	3.9	0.2	56	0.4
	Mizoram	92	1	1.6	1.5	0.1	14	0.0
	Nagaland	115	2	2.0	1.9	0.1	47	0.0
	Tripura	249	3	3.3	2.4	-0.1	78	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.9	-6.4	-20.7
Day peak (MW)	328.9	-342.3	-1122.0

$\underline{E.\ Import/export\ By\ Regions(in\ MU)\ -\ Import(+ve)/Export(-ve);\ OD(+)/UD(-)}$

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	165.4	-277.6	145.3	-45.0	5.7	-6.2
Actual(MU)	157.3	-275.2	165.1	-61.1	11.0	-2.9
O/D/U/D(MU)	-8.1	2.4	19.8	-16.1	5.3	3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5755	12836	6482	1600	858	27531
State Sector	11240	12399	3670	5215	50	32574
Total	16995	25235	10152	6815	907	60104

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	495	1278	604	466	11	2854
Lignite	23	18	52	0	0	92
Hydro	203	28	66	37	4	338
Nuclear	22	31	34	0	0	87
Gas, Naptha & Diesel	30	47	16	0	21	114
RES (Wind, Solar, Biomass & Others)	84	101	144	1	0	330
Total	857	1503	916	504	35	3815
Share of RES in total generation (%)	9.75	6.71	15.75	0.17	0.11	8.64

Share of RES in total generation (%)	9.75	6.71	15.75	0.17	0.11	8.64
Share of Non-fossil fuel (Hydro, Nuclear and	36.04	10.63	26.65	7.58	10.52	19.78
RES) in total generation (%)	30.04	10.03	20.03	7.50	10.52	15.76

H. Diversity Factor
All India Demand Diversity Factor
1.046
Diversity factor = Sum of regional maximum demands / All India maximum demand

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

		INT	ER-REGI	ONAL EXCH	ANGES	Date of 1	Reporting :	7-Apr-19
								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)
Import/E		ER (With NR)						
1	7651-37	GAYA-VARANASI	D/C	0	610	0.0	7.9	-7.9
3	765kV	SASARAM-FATEHPUR GAYA-BALIA	S/C S/C	0	265 295	0.0	2.1 5.1	-2.1 -5.1
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2
6		PUSAULI-VARANASI	S/C	12	55	0.0	0.7	-0.7
7	4	PUSAULI -ALLAHABAD	S/C	0	70	0.0	0.4	-0.4
9	400 kV	MUZAFFARPUR-GORAKHPUR	D/C Q/C	0	849 884	0.0	9.3 14.1	-9.3 -14.1
10	400 KV	PATNA-BALIA BIHARSHARIFF-BALIA	D/C	0	307	0.0	5.1	-14.1
11	1	MOTIHARI-GORAKHPUR	D/C	0	373	0.0	6.6	-6.6
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	179	0.0	3.3	-3.3
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
16	132 K	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0
Inne -: 4/5	Permont A	ED (With WP)			ER-NR	0.6	55.8	-55.3
	export of	ER (With WR)	1 1					
18	g/2	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1984	0	41.6	0.0	41.6
19	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	571	233	4.9	0.0	4.9
20		JHARSUGUDA DAIGABH	D/C	112	86	0.5	0.0	0.5
21	400 kV	JHARSUGUDA-RAIGARH RANCHI-SIPAT	Q/C D/C	197 170	81 68	1.9 4.9	0.0	1.9 4.9
23	<u> </u>	BUDHIPADAR-RAIGARH	S/C	0	126	0.0	1.7	-1.7
24	220 kV	BUDHIPADAR-KORBA	D/C	185	0	1.6	0.0	1.6
			1		ER-WR	55.4	1.7	53.7
Import/E	Export of	ER (With SR)						•
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2160.0	0.0	42.2	-42.2
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	694.0	0.0	12.5	-12.5
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2451.0	0.0	51.3	-51.3
28	400 kV	TALCHER-I/C	D/C	0.0	651.0	0.0	6.6	-6.6
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0 ER-SR	0.0	0.0	0.0 -106.0
Import/F	Export of	ER (With NER)			ER-SK	0.0	106.0	-106.0
30	Ĺ	BINAGURI-BONGAIGAON	D/C	117	207	0.0	0.0	0
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	184	176	1.1	0.0	1
32	220 kV	ALIPURDUAR-SALAKATI	D/C	26	63	0.0	0.2	0
					ER-NER	1.1	0.2	0.9
Import/F	vnert of	NER (With NR)						1
	_			649				11.3
33	HVDC	BISWANATH CHARIALI-AGRA	-		0	11.3	0.0	
33	HVDC	BISWANATH CHARIALI-AGRA	-		0 NER-NR	11.3	0.0 0.0	11.3
33	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)	- D/C	0	NER-NR	11.3	0.0	11.3
33 Import/E 34	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	D/C	0 242	NER-NR 550	0.0	13.1	-13.1
33	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR)	D/C D/C D/C	0 242 0	NER-NR	11.3	0.0	11.3
33 Import/E 34 35	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B	D/C	242	550 0	0.0	13.1 0.0	-13.1 6.0
33 Import/E 34 35 36	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG	D/C D/C	242 0	550 0 1362	0.0 6.0 0.0	13.1 0.0 33.9	-13.1 6.0 -33.9
33 Import/E 34 35 36 37	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA	D/C D/C D/C	242 0 0	NER-NR 550 0 1362 2071	0.0 6.0 0.0 0.0	13.1 0.0 33.9 41.4	-13.1 6.0 -33.9 -41.4
33 Import/E 34 35 36 37 38	HVDC Export 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	242 0 0 0	550 0 1362 2071 796	0.0 6.0 0.0 0.0 0.0	13.1 0.0 33.9 41.4 13.9	-13.1 6.0 -33.9 -41.4 -13.9
33 Import/E 34 35 36 37 38 39 40 41	HVDC Export 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 S/C S/C	242 0 0 0 0 0 0 406 0	550 0 1362 2071 796 602 0 1289	0.0 6.0 0.0 0.0 0.0 0.0 0.0 7.8	13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5	-13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5
33 Import/E 34 35 36 37 38 39 40 41 42	HVDC Export 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 CHITORGARH-BANASKANTHA	D/C D/C D/C D/C D/C S/C S/C D/C	242 0 0 0 0 0 0 406 0	NER-NR 550 0 1362 2071 796 602 0 1289 0	0.0 6.0 0.0 0.0 0.0 0.0 0.0 7.8 0.0	13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5	-13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5
33 Import/E 34 35 36 37 38 39 40 41 42 43	HVDC Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI	D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C	242 0 0 0 0 0 406 0 0 173	NER-NR 550 0 1362 2071 796 602 0 1289 0 0	0.0 6.0 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 2.4	13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1	-13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4
33 Import/E 34 35 36 37 38 39 40 41 42 43 44	HVDC Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL	D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C	242 0 0 0 0 406 0 0 173 126	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77	0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0	-13.1 6.0 -33.9 -41.4 -13.9 -23.8 -27.5 1.1 2.4 0.5
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45	HVDC Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND	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	242 0 0 0 0 406 0 0 173 126 967	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77	0.0 6.0 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 2.4 0.5	13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0	-13.1 -6.0 -33.9 -41.4 -13.9 -23.8 -27.5 1.1 2.4 0.5 -22.3
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45	HVDC Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR	D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C D/C S/C S/C D/C S/C S/C D/C S/C S/C S/C S/C	242 0 0 0 0 406 0 0 173 126 967 0	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77 0 195	0.0 6.0 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 2.4 0.5 22.3	13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47	HVDC Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA	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	242 0 0 0 0 406 0 0 173 126 967 0 22	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77 0 195 36	0.0 6.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.0 2.4 0.5 22.3 0	13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45	HVDC Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR	D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C D/C S/C S/C D/C S/C S/C D/C S/C S/C S/C S/C	242 0 0 0 0 406 0 0 173 126 967 0	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77 0 195	0.0 6.0 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 2.4 0.5 22.3	13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	HVDC Export of HVDC - 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK	D/C D/C D/C D/C D/C D/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	242 0 0 0 0 406 0 0 173 126 967 0 22 0	550 0 1362 2071 796 602 0 1289 0 0 77 0 195 36 106	0.0 6.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 2.4 0.5 22.3 0	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 1 0.8 1.6	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	HVDC Export of HVDC - 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA	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	242 0 0 0 0 406 0 173 126 967 0 22 0 52	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77 0 195 36 106 14	0.0 6.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 2.4 0.5 22.3 0 0.0 0.0	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 0.0 1 0.8 1.6 0.0	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	HVDC Export of HVDC - 765 kV - 400 kV - 220 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-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	242 0 0 0 0 406 0 0 173 126 967 0 22 0 52 17	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 177 0 195 36 106 14 35	0.0 6.0 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 2.4 0.5 22.3 0.0 0.0	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 1 0.8 1.6 0.0 0.3	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3 -0.2
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK 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	242 0 0 0 0 406 0 0 173 126 967 0 22 0 52 17	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77 0 195 36 106 14 35 0 WR-NR	0.0 6.0 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 2.4 0.5 22.3 0 0.0 0.0 0.0 39.6	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 1 0.8 1.6 0.0 0.3 0.0 158.7	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3 -0.2 0.0 -117.0
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-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	242 0 0 0 0 406 0 0 173 126 967 0 22 0 52 17	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77 0 195 36 106 14 35 0 WR-NR	0.0 6.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.0 2.4 0.5 22.3 0 0.0 0.0 0.4 0.1 0.0 39.6	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 1 0.8 1.6 0.0 0.3 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3 -0.2 0.0 -117.0
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND RAPP-SHUJALPUR BADOD-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	242 0 0 0 0 406 0 0 173 126 967 0 22 0 52 17 0	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77 0 195 36 106 14 35 0 WR-NR	0.0 6.0 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 2.4 0.5 22.3 0 0.0 0.0 0.4 0.1 0.0 39.6	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 1 0.8 1.6 0.0 0.3 0.0 158.7	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3 -0.2 0.0 -117.0
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR	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	242 0 0 0 0 406 0 0 173 126 967 0 22 0 52 17 0	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 177 0 195 36 106 14 35 0 WR-NR	0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 1 0.8 1.6 0.0 0.3 0.0 158.7	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3 -0.2 0.0 -117.0 -11.6 0.0 -50.1
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	242 0 0 0 0 406 0 0 173 126 967 0 22 0 52 17 0	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 177 0 195 36 106 14 35 0 WR-NR	0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 0.0 1 0.8 1.6 0.0 0.3 0.0 158.7	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3 -0.2 0.0 -117.0 -11.6 0.0 -50.1
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 50 51 Import/E 52 53 54 55 56	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC LINK	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA 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 D/C D/C S/C S/C S/C S/C S/C S/C S/C D/C S/C S/C D/C S/C S/C D/C S/C S/C D/C S/C D/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	242 0 0 0 0 406 0 0 173 126 967 0 22 0 52 17 0	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77 0 195 36 106 14 35 0 WR-NR 488 0 2628 2479 0	0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 1 0.8 1.6 0.0 0.3 0.0 158.7	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3 -0.2 0.0 -117.0 -11.6 0.0 -50.1 -51.7 7.2
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD 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 S/C D/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	242 0 0 0 0 406 0 0 173 126 967 0 22 0 52 17 0	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 177 0 195 36 106 14 35 0 WR-NR 488 0 2628 2479 0 0	0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 1 0.8 1.6 0.0 0.3 0.0 158.7 11.6 0.0 50.1 51.7 0.0 0.0	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3 -0.2 0.0 -117.0 -11.6 0.0 -50.1 -51.7 7.2 0.0
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57 58	HVDC Export of HVDC 765 kV 400 kV 132kV Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI FONDA-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 D/C S/C S/C D/C S/C S/C D/C S/C S/C D/C S/C D/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	242 0 0 0 0 406 0 0 173 126 967 0 22 0 52 17 0	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77 0 195 36 106 14 35 0 WR-NR 488 0 2628 2479 0	0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 1 0.8 1.6 0.0 0.3 1.6 0.0 158.7	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3 -0.2 0.0 -117.0 -11.6 0.0 -50.1 -51.7 7.2
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57	HVDC Export of HVDC 765 kV 400 kV 132kV Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	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 D/C S/C S/C D/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	242 0 0 0 0 0 406 0 173 126 967 0 0 522 0 0 0 530 0 1	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77 0 195 36 106 14 35 0 WR-NR 488 0 2628 2479 0 0 0 39	0.0 6.0 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 1 0.8 1.6 0.0 0.3 1.6 0.0 158.7 11.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3 -0.2 0.0 -117.0 -11.6 0.0 -50.1 -51.7 7.2 0.0 0.9
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57 58	HVDC Export of HVDC 765 kV 400 kV 132kV Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI	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	242 0 0 0 0 0 406 0 173 126 967 0 0 522 0 0 52 17 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 0	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77 0 195 36 106 14 35 0 WR-NR 488 0 2628 2479 0 0 0 39 WR-SR	0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 1 0.8 1.6 0.0 0.3 1.6 0.0 158.7	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3 -0.2 0.0 -117.0 -11.6 0.0 -50.1 -50.1 -7.2 0.0 0.0
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57 58 59	HVDC Export of HVDC 765 kV 400 kV 132kV Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	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	242 0 0 0 0 0 406 0 173 126 967 0 0 522 0 0 0 530 0 1	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77 0 195 36 106 14 35 0 WR-NR 488 0 2628 2479 0 0 0 39 WR-SR	0.0 6.0 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 1 0.8 1.6 0.0 0.3 1.6 0.0 158.7 11.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3 -0.2 0.0 -117.0 -11.6 0.0 -50.1 -51.7 7.2 0.0 0.0 0.9 -105.2
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57 58	HVDC Export of HVDC 765 kV 400 kV 132kV Export 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI	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	242 0 0 0 0 0 406 0 173 126 967 0 0 522 0 0 52 17 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 0	NER-NR 550 0 1362 2071 796 602 0 1289 0 0 77 0 195 36 106 14 35 0 WR-NR 488 0 2628 2479 0 0 0 39 WR-SR	0.0 6.0 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 13.1 0.0 33.9 41.4 13.9 23.8 0.0 27.5 1.1 0.0 0.0 1 0.8 1.6 0.0 0.3 1.6 0.0 158.7 11.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.3 -13.1 6.0 -33.9 -41.4 -13.9 -23.8 7.8 -27.5 1.1 2.4 0.5 22.3 -1 -0.8 -1.6 0.3 -0.2 0.0 -117.0 -11.6 0.0 -50.1 -51.7 7.2 0.0 0.9