

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 12th Apr 2019

To,

- 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 11.04.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th 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 12-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	47675	50588	44531	20208	2514	165516
Peak Shortage (MW)	774	0	0	0	42	816
Energy Met (MU)	1020	1246	1060	431	44	3800
Hydro Gen (MU)	254	42	76	50	4	427
Wind Gen (MU)	14	51	36			101
Solar Gen (MU)*	39.63	26.01	81.47	1.02	0.06	148
Energy Shortage (MU)	11.3	0.0	0.0	0.0	0.3	11.6
Maximum Demand Met during the day	48233	54691	46807	21374	2516	167452
(MW) & time (from NLDC SCADA)	19:57	11:46	22:18	20:30	18:40	22:25

 B. Frequency Profile (%)

 Region
 FVI
 <49.7</th>
 49.7-49.8
 49.8-49.9
 <49.9</th>
 49.9-50.05
 > 50.05

 All India
 0.039
 0.00
 0.08
 10.95
 11.03
 80.45
 8.52

C. Power Supply Position in States

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	5774	0	126.3	44.7	-3.0	54	0.0
	Haryana	6764	0	131.2	103.1	-0.6	118	0.3
	Rajasthan	9804	0	215.6	52.5	-2.0	299	0.0
	Delhi	4613	0	94.4	79.1	-1.2	83	0.2
NR	UP	17567	0	345.6	147.6	-0.1	448	0.0
	Uttarakhand	1552	0	31.3	10.4	-1.0	58	0.0
	HP	1341	0	25.2	8.6	-0.2	129	0.0
	J&K	2166	541	45.9	35.7	0.0	174	10.9
	Chandigarh	199	0	4.0	4.5	-0.5	4	0.0
	Chhattisgarh	4475	0	100.5	44.6	-3.5	485	0.0
	Gujarat	16936	0	386.5	126.5	3.6	770	0.0
	MP	9822	0	212.8	99.0	-0.5	503	0.0
WR	Maharashtra	22336	0	502.7	149.0	0.9	460	0.0
WK	Goa	521	0	11.8	11.0	0.2	125	0.0
	DD	336	0	7.7	7.0	0.7	92	0.0
	DNH	808	0	19.0	18.9	0.1	136	0.0
	Essar steel	271	0	5.3	5.3	0.0	186	0.0
	Andhra Pradesh	8552	0	175.0	51.7	-0.9	581	0.0
	Telangana	8446	0	192.6	63.0	-0.4	472	0.0
SR	Karnataka	11944	0	234.8	83.2	-0.5	463	0.0
311	Kerala	4183	0	86.4	61.9	1.2	205	0.0
	Tamil Nadu	15886	0	362.1	205.9	-1.0	490	0.0
	Pondy	431	0	8.9	9.1	-0.2	33	0.0
	Bihar	4819	0	85.6	80.6	-0.6	425	0.0
	DVC	3212	0	66.5	-47.7	-1.0	333	0.0
ER	Jharkhand	1083	0	22.9	18.2	-1.1	178	0.0
LIN	Odisha	4258	0	89.5	28.7	0.6	378	0.0
	West Bengal	8464	0	165.8	52.4	1.4	445	0.0
	Sikkim	78	0	0.8	1.3	-0.6	20	0.0
	Arunachal Pradesh	120	1	2,2	2.6	-0.4	15	0.0
	Assam	1502	32	24.8	20.1	0.3	95	0.2
	Manipur	180	2	2.7	2.4	0.3	41	0.0
NER	Meghalaya	340	0	6.3	4.5	0.3	63	0.0
	Mizoram	90	1	1.8	1.3	0.3	10	0.0
	Nagaland	121	3	2.2	2.1	0.1	40	0.0
	Tripura	242	3	3.6	2.7	-0.4	50	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.2	-9.0	-22.9
Day peak (MW)	309.2	-528.7	-1120.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	171.1	-249.3	133.0	-55.8	1.2	0.2
Actual(MU)	162.9	-249.7	144.8	-56.3	0.6	2.2
O/D/U/D(MU)	-8.2	-0.5	11.8	-0.5	-0.6	2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5224	9983	5722	1870	551	23350
State Sector	10570	14339	5280	2855	50	33094
Total	15794	24322	11002	4725	601	56443

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	452	1290	593	458	14	2808
Lignite	27	18	54	0	0	99
Hydro	254	42	76	50	4	427
Nuclear	22	29	36	0	0	87
Gas, Naptha & Diesel	30	54	17	0	29	131
RES (Wind, Solar, Biomass & Others)	98	82	152	1	0	334
Total	884	1515	928	510	47	3884
		•	•		•	•
Share of RES in total generation (%)	11 12	5.42	16 38	0.21	0.13	8 59

28.46

10.10

10.10

RES) in total generation (%)

H. Diversity Factor
All India Demand Diversity Factor

Share of Non-fossil fuel (Hydro, Nuclear and

All India Demand Diversity Factor 1.037

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

42.35

21.81

8.77

^{*}Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

		INT	ER-REGI	ONAL EXCH	ANGES	Date of 1	Reporting :	12-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			
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	D/C S/C	30 0	401 316	0.0	6.2 4.2	-6.2 -4.2
3	703KV	GAYA-BALIA	S/C	0	253	0.0	4.1	-4.2 -4.1
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	0	50	0.0	1.3	-1.3
6		PUSAULI-VARANASI	S/C	0	73	0.0	1.0	-1.0
7 8		PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	S/C D/C	0	35 753	0.0	9.7	-0.2 -9.7
9	400 kV	PATNA-BALIA	Q/C	0	735	0.0	12.9	-9.7
10	100 11	BIHARSHARIFF-BALIA	D/C	0	277	0.0	4.6	-4.6
11		MOTIHARI-GORAKHPUR	D/C	0	272	0.0	5.2	-5.2
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	2	173	0.0	2.4	-2.4
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
16		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
T4/TC	·	ED (WAL WD)			ER-NR	0.5	51.7	-51.2
	лрогі оі	ER (With WR)						
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1820	0	33.0	0.0	33.0
19	/05 KV	NEW RANCHI-DHARAMJAIGARH	D/C	657	44	5.2	0.0	5.2
20		JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	D/C Q/C	133 276	68 71	0.1 1.3	0.0	0.1 1.3
22	400 kV	RANCHI-SIPAT	Q/C D/C	251	0	2.4	0.0	2.4
23		BUDHIPADAR-RAIGARH	S/C	0	117	0.0	2.0	-2.0
24	220 kV	BUDHIPADAR-KORBA	D/C	186	0	3.4	0.0	3.4
					ER-WR	45.5	2.0	43.6
Import/E	xport of	ER (With SR)						
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1717.0	0.0	31.9	-31.9
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	681.0	0.0	15.9	-15.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2459.0	0.0	50.9	-50.9
28	400 kV	TALCHER-I/C	D/C	515.0	1149.0	0.0	15.3	-15.3
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0 ER-SR	0.0	0.0 98.7	0.0 -98.7
Import/E	export of	ER (With NER)			ER-SK	0.0	90.7	-96.7
30	1	BINAGURI-BONGAIGAON	D/C	405	15	5.2	0.0	5
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	518	0	7.2	0.0	7
32	220 kV	ALIPURDUAR-SALAKATI	D/C	88	12	1.0	0.0	1
					ER-NER	13.4	0.0	13.4
Import/E	vnort of	NER (With NR)						1
	•	1	1 1			13.6		13.6
33 33	HVDC	BISWANATH CHARIALI-AGRA	-	561	0		0.0	
33	HVDC	BISWANATH CHARIALI-AGRA	-	561	0 NER-NR	13.6	0.0 0.0	13.6
33	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)	- D/C		NER-NR	13.6	0.0	13.6
33 Import/E 34	HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	D/C D/C	0	NER-NR 1005	0.0	23.8	-23.8
33	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)	D/C D/C D/C		NER-NR	13.6	0.0	13.6
33 Import/E 34 35	HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B	D/C	0 242	1005 0	0.0	23.8 0.0	-23.8 6.0
33 Import/E 34 35 36	HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG	D/C D/C	0 242 0	NER-NR 1005 0 1173	0.0 6.0 0.0	23.8 0.0 29.1	-23.8 6.0 -29.1
33 Import/E 34 35 36 37	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA	D/C D/C D/C	0 242 0 0	NER-NR 1005 0 1173 2295	0.0 6.0 0.0 0.0	23.8 0.0 29.1 40.3	-23.8 6.0 -29.1 -40.3
33 Import/E 34 35 36 37 38 39 40	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 S/C	0 242 0 0 0 0 0	1005 0 1173 2295 929 702 0	0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0 8.8	23.8 0.0 29.1 40.3 15.9	-23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8
33 Import/E 34 35 36 37 38 39 40 41	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	D/C D/C D/C D/C D/C S/C S/C	0 242 0 0 0 0 0 0 449	NER-NR 1005 0 1173 2295 929 702 0 1387	0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0 8.8	23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5	-23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5
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	0 242 0 0 0 0 0 0 449 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0	0.0 6.0 0.0 0.0 0.0 0.0 0.0 8.8 0.0	23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0	-23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9
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 V'CHAL 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	0 242 0 0 0 0 0 449 0 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0	0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0	-23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1
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 IABALPUR-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	0 242 0 0 0 0 0 449 0 0 0 244	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32	0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0	-23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1
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	0 242 0 0 0 0 0 449 0 0 0 244 144 975	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0	0.0 6.0 0.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4	23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4
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	0 242 0 0 0 0 0 449 0 0 244 144 975	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253	0.0 6.0 0.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4	23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2
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	0 242 0 0 0 0 449 0 0 244 144 975 0 36	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30	13.6 0.0 6.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4 0 0.1	23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4
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 -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	0 242 0 0 0 0 449 0 0 244 144 975 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97	0.0 6.0 0.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4 0	0.0 23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2.0 0.0 0.0 0.0 0.0	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2
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 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	0 242 0 0 0 0 449 0 0 244 144 975 0 36	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30	13.6 0.0 6.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4 0 0.1	0.0 23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 0.0 2 0.4 1.2	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4
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 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	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	0 242 0 0 0 0 0 449 0 0 0 244 144 975 0 0 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97	0.0 6.0 0.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4 0 0.1 0.0	0.0 23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2.0 0.0 0.0 0.0 0.0	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	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 BADOD-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	0 242 0 0 0 0 0 449 0 0 244 144 975 0 0 0 36 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97 0 28	13.6 0.0 6.0 0.0 0.0 0.0 0.0 0.0	23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2 0.4 1.2 0.0	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8 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	HVDC Export of HVDC 765 kV 400 kV 132kV	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	0 242 0 0 0 0 449 0 0 244 144 975 0 36 0 0 35 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97 0 0 28 0 WR-NR	13.6 0.0 6.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4 0 0.1 0.0 0.8 0.2 0.0 43.4	0.0 23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2 0.4 1.2 0.0 0.1 162.7	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8 0.0 0.0 -119.3
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	0 242 0 0 0 0 449 0 0 244 144 975 0 0 36 0 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97 0 28 0 WR-NR	13.6 0.0 6.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4 0 0.1 0.0 0.8 0.2 0.0 43.4	23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2 0.4 1.2 0.0 0.1 1.2 1.3	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8 0.0 0.0 -119.3
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 VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA -BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU	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	0 242 0 0 0 0 0 449 0 0 244 144 975 0 0 36 0 0 65 32 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97 0 28 0 WR-NR	13.6 0.0 6.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4 0 0.1 0.0 0.8 0.2 0.0 43.4	23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2 0.4 1.2 0.0 0.1 0.0 162.7	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8 0.0 0.0 -119.3
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-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	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	0 242 0 0 0 0 0 0 449 0 0 0 244 144 975 0 0 0 65 32 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97 0 28 0 WR-NR	13.6 0.0 6.0 0.0 0.0 0.0 0.0 0.0	0.0 23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2 0.4 1.2 0.0 0.1 0.0 162.7	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8 0.0 0.0 -119.3
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 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	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	0 242 0 0 0 0 0 449 0 0 0 244 144 975 0 0 0 65 32 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 2353 30 97 0 28 0 WR-NR	0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4 0 0.1 0.0 0.8 0.2 0.0 43.4	0.0 23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 0.0 1.2 0.0 1.2 0.0 162.7 11.3 0.0 38.5 43.0	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8 0.0 0.0 -119.3 -11.3 0.0 -38.5 -43.0
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	HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK	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-SHUIALPUR BADOD-MOTAK 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	0 242 0 0 0 0 0 449 0 0 0 244 144 975 0 0 0 65 32 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97 0 28 0 WR-NR	13.6 0.0 6.0 0.0 0.0 0.0 0.0 0.0	23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2 0.4 1.2 0.0 0.1 0.0 162.7 11.3 0.0 38.5 43.0 0.0	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8 0.0 0.0 -119.3 -11.3 0.0 -38.5 -43.0 7.6
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-L.SILERU 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 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	0 242 0 0 0 0 0 449 0 0 244 144 975 0 36 0 65 32 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97 0 28 0 WR-NR	13.6 0.0 6.0 0.0 0.0 0.0 0.0 0.0	23.8 0.0 29.1 40.3 15.9 21.9 0.0 0.0 0.0 0.0 0.1 0.0 162.7 11.3 0.0 38.5 43.0 0.0	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8 0.0 0.0 -119.3 -11.3 0.0 -38.5 -43.0 7.6 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 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 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 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	0 242 0 0 0 0 449 0 0 244 144 975 0 36 0 65 32 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97 0 28 0 WR-NR	13.6 0.0 0.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4 0 0.1 0.0 43.4 0.0 0.0 0.0 0.0 0.0 0.	0.0 23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2 0.4 1.2 0.0 0.1 162.7 11.3 0.0 38.5 43.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8 0.0 0.0 -119.3 -11.3 0.0 -38.5 -43.0 7.6 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	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-L.SILERU 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 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	0 242 0 0 0 0 0 449 0 0 244 144 975 0 36 0 65 32 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97 0 28 0 WR-NR 481 0 2374 2279 56 0 0 65	13.6 0.0 0.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4 0 0.1 0.0 43.4 0.0 0.0 0.0 0.0 0.0 1.3	0.0 23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2 0.4 1.2 0.0 0.1 162.7 11.3 0.0 38.5 43.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8 0.0 0.0 -119.3 -11.3 0.0 -38.5 -43.0 7.6 0.0 0.0 1.3
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 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-RICHMODI KOLHAPUR-RUDGI 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	0 242 0 0 0 0 449 0 0 244 144 975 0 36 0 65 32 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97 0 28 0 WR-NR	13.6 0.0 0.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4 0 0.1 0.0 43.4 0.0 0.0 0.0 0.0 0.0 0.	0.0 23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2 0.4 1.2 0.0 0.1 162.7 11.3 0.0 38.5 43.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8 0.0 0.0 -119.3 -11.3 0.0 -38.5 -43.0 7.6 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 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-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-KUDGI 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	0 242 0 0 0 0 449 0 0 244 144 975 0 36 0 65 32 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97 0 28 0 WR-NR	13.6 0.0 0.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4 0 0.1 0.0 43.4 0.0 0.0 0.0 0.0 0.0 1.3	0.0 23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2 0.4 1.2 0.0 0.1 162.7 11.3 0.0 38.5 43.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8 0.0 0.0 -119.3 -11.3 0.0 -38.5 -43.0 7.6 0.0 0.0 1.3 -84.0
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 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-RICHMODI KOLHAPUR-RUDGI 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	0 242 0 0 0 0 449 0 0 244 144 975 0 36 0 65 32 0	NER-NR 1005 0 1173 2295 929 702 0 1387 0 0 32 0 253 30 97 0 28 0 WR-NR	13.6 0.0 0.0 0.0 0.0 0.0 0.0 8.8 0.0 0.9 3.1 1.2 22.4 0 0.1 0.0 43.4 0.0 0.0 0.0 0.0 0.0 1.3	0.0 23.8 0.0 29.1 40.3 15.9 21.9 0.0 28.5 0.0 0.0 0.0 2 0.4 1.2 0.0 0.1 162.7 11.3 0.0 38.5 43.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	13.6 -23.8 6.0 -29.1 -40.3 -15.9 -21.9 8.8 -28.5 0.9 3.1 1.2 22.4 -2 -0.4 -1.2 0.8 0.0 0.0 -119.3 -11.3 0.0 -38.5 -43.0 7.6 0.0 0.0 1.3