

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: 14th Feb 2020

To,

- 1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता ७०००३३ 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. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह, लापलंग, शिलोंग 793006 Executive Director, 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 13.02.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-फरवरी-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 13th Feb 2020, 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 14-Feb-20

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46992	50099	42259	18042	2411	159803
Peak Shortage (MW)	639	0	0	0	34	673
Energy Met (MU)	981	1226	1053	369	43	3671
Hydro Gen (MU)	125	45	86	29	3	287
Wind Gen (MU)	17	26	41			84
Solar Gen (MU)*	37.86	25.90	88.89	1.48	0.04	154
Energy Shortage (MU)	11.6	0.0	0.0	0.0	0.7	12.2
Maximum Demand Met during the day (MW) & time	49689	57485	49421	19241	2337	173972
(from NLDC SCADA)	09:15	09:36	07:45	18:51	20:36	07:43

B. Frequency Profile (%)

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.047	0.00	1.26	9.32	10.58	76.00	13.43

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	6751	0	131.3	75.6	-1.7	52	0.0
	Haryana	7224	0	136.9	89.2	-0.7	257	0.0
	Rajasthan	13864	0	249.0	81.3	1.9	377	0.0
	Delhi	3938	0	66.8	49.7	-1.2	204	0.0
NR	UP	15684	0	282.1	110.9	0.0	967	0.5
	Uttarakhand	2085	0	37.6	18.8	0.2	148	0.0
	HP	1615	0	27.1	21.5	-1.0	109	0.0
	J&K(UT) and Ladakh(UT)	2295	574	46.4	43.3	-1.7	229	11.1
	Chandigarh	244	0	3.8	3.7	0.1	26	0.0
	Chhattisgarh	3743	0	80.9	32.6	-0.9	211	0.0
	Gujarat	16037	0	348.6	103.3	5.5	597	0.0
	MP	14564	0	271.8	136.8	-2.4	802	0.0
WR	Maharashtra	23145	0	475.8	151.1	-2.2	568	0.0
WK	Goa	577	0	12.0	11.7	-0.2	42	0.0
	DD	330	0	7.4	7.0	0.4	38	0.0
	DNH	795	0	18.7	18.7	0.0	42	0.0
	Essar steel	744	0	10.3	10.3	0.0	202	0.0
	Andhra Pradesh	9213	0	187.8	67.9	-0.1	225	0.0
	Telangana	10712	0	223.0	116.2	-0.7	378	0.0
SR	Karnataka	12577	0	240.9	83.7	-0.9	225	0.0
3N	Kerala	3858	0	78.2	59.2	1.1	237	0.0
	Tamil Nadu	14595	0	315.1	153.3	0.3	311	0.0
	Pondy	377	0	7.7	7.9	-0.2	56	0.0
	Bihar	4219	0	76.1	74.2	0.2	550	0.0
	DVC	3270	0	65.8	-38.1	-0.2	250	0.0
ER	Jharkhand	1286	0	24.6	19.3	-0.2	100	0.0
EN	Odisha	4281	0	78.5	3.2	1.3	300	0.0
	West Bengal	6505	0	122.5	33.3	-0.6	200	0.0
	Sikkim	131	0	1.9	1.8	0.1	40	0.0
	Arunachal Pradesh	118	1	2.3	2.1	0.1	18	0.0
	Assam	1345	15	23.1	20.3	0.8	63	0.4
	Manipur	210	2	2.9	3.0	-0.1	31	0.0
NER	Meghalaya	378	0	6.6	5.5	0.1	43	0.2
	Mizoram	101	1	1.8	1.7	-0.1	17	0.0
	Nagaland	129	1	2.3	2.1	0.2	28	0.0
	Tripura	231	0	3.6	2.2	0.1	51	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.8	-11.2	-12.5
Day peak (MW)	400.7	-541.6	-888.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	236.9	-254.7	113.0	-102.8	7.5	-0.1
Actual(MU)	229.0	-265.3	132.2	-110.9	9.5	-5.5
O/D/U/D(MU)	-7.8	-10.6	19.2	-8.1	2.0	-5.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6251	13598	5872	1540	668	27929
State Sector	12925	14500	6813	6013	11	40261
Total	19176	28097	12685	7553	680	68190

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	486	1295	569	474	13	2836
Lignite	25	16	56	0	0	96
Hydro	125	45	86	29	3	287
Nuclear	24	36	19	0	0	80
Gas, Naptha & Diesel	37	46	16	0	23	123
RES (Wind, Solar, Biomass & Others)	82	61	176	2	0	321
Total	779	1499	922	504	39	3743

Share of RES in total generation (%)	10.52	4.08	19.12	0.31	0.10	8.58
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.66	9.48	30.50	6.01	8.12	18.38

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024	
Based on State Max Demands	1.076	

Diversity factor = Sum of regional or state-wise maximum demands / All India maximum demand

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

		IN	TER-REGIO	ONAL EXCHA	ANGES	Date of 1	Reporting :	14-Feb-20
								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		(1120)	(inte)
5	HVDC	ALIPURDUAR-AGRA	- 0/0	0	0	0.0	0.0 9.1	0.0 -9.1
1		PUSAULI B/B GAYA-VARANASI	S/C D/C	0	378 744	0.0	9.1	-9.1 -9.4
2	765kV	SASARAM-FATEHPUR	S/C	112	177	0.0	2.7	-2.7
3		GAYA-BALIA	S/C	0	451	0.0	7.8	-7.8
6		PUSAULI-VARANASI	S/C	0	272	0.0	5.7	-5.7
7	4	PUSAULI -ALLAHABAD	S/C	0	171	0.0	3.2	-3.2
9	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	166 0	282	0.0	1.3	-1.3
10	400 KV	PATNA-BALIA BIHARSHARIFF-BALIA	Q/C D/C	0	775 307	0.0	12.5 4.5	-12.5 -4.5
11		MOTIHARI-GORAKHPUR	D/C	0	509	0.0	9.0	-9.0
12		BIHARSHARIFF-VARANASI	D/C	141	200	0.0	0.2	-0.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	159	0.0	2.7	-2.7
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	102 111	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
Innr 4/5	Permont A	ED (With WP)			ER-NR	0.6	68.1	-67.6
	export of	ER (With WR)	1					T
18	g/	JHARSUGUDA-DHARAMJAIGARH	Q/C	1368	0	22.6	0.0	22.6
19	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	902	0	10.1	0.0	10.1
20		JHARSUGUDA-DURG	D/C	100	131	0.0	1.0	-1.0
21	400 kV	JHARSUGUDA-RAIGARH RANCHI-SIPAT	Q/C D/C	74 298	285 0	0.0 3.4	2.7 0.0	-2.7 3.4
23		BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0
24	220 kV	BUDHIPADAR-KORBA	D/C	74	4	0.9	0.0	0.9
					ER-WR	37.0	3.7	33.4
Import/E	Export of	ER (With SR)						
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	536.0	0.0	12.4	-12.4
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2463.0	0.0	48.7	-48.7
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2550.0	0.0	48.8	-48.8
28	400 kV	TALCHER-I/C	D/C	400.0	624.0	0.0	3.5	-3.5
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	2.0	0.0 ER-SR	0.0	0.0	0.0
Import/F	export of	ER (With NER)			ER-SK	0.0	109.9	-109.9
30	Ĺ	BINAGURI-BONGAIGAON	D/C	0	559	0.0	8.2	-8
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	0	745	0.0	11.7	-12
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	136	0.0	1.8	-2
	•				ER-NER	0.0	21.7	-21.7
		NER (With NR)	1		1			
Import/E		NER (With NR) BISWANATH CHARIALI-AGRA		0	505	0.0	12.1	-12.1
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	505 NER-NR	0.0 0.0	12.1 12.1	-12.1 -12.1
33	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)		-	NER-NR	0.0	12.1	-12.1
33 Import/E 34	HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	D/C	0	NER-NR	0.0	12.1 22.0	-12.1 -22.0
33	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)		-	NER-NR	0.0	12.1	-12.1
33 Import/E 34 35	HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B	D/C D/C	0 449	0 0	0.0 10.3	22.0 0.0	-12.1 -22.0 10.3
33 Import/E 34 35 36	HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG	D/C D/C D/C	0 449 0	0 0 1739	0.0 0.0 10.3 0.0	22.0 0.0 40.9	-12.1 -22.0 10.3 -40.9
33 Import/E 34 35 36 37 38 39	Export of HVDC	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	0 449 0 0 0	0 0 1739 2412 2007 1008	0.0 10.3 0.0 0.0 0.0 0.0	22.0 0.0 40.9 42.6 29.3 33.0	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0
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 D/C S/C	0 449 0 0 0 0 0	0 0 1739 2412 2007 1008 0	0.0 10.3 0.0 0.0 0.0 0.0 0.0 12.5	22.0 0.0 40.9 42.6 29.3 33.0 0.0	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5
33 Import/E 34 35 36 37 38 39 40 41	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 D/C S/C S/C	0 449 0 0 0 0 0 791	NER-NR 0 0 1739 2412 2007 1008 0 1431	0.0 10.3 0.0 0.0 0.0 0.0 0.0 12.5	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8
33 Import/E 34 35 36 37 38 39 40 41 42	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 CHITTORGARH-BANASKANTHA	D/C D/C D/C D/C D/C D/C D/C S/C S/C D/C	0 449 0 0 0 0 0 0 791 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992	0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5
33 Import/E 34 35 36 37 38 39 40 41 42 43	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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI	D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C	0 449 0 0 0 0 0 791 0 172 186	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202	0.0 10.3 0.0 0.0 0.0 0.0 0.0 12.5 0.0 0.0	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6
33 Import/E 34 35 36 37 38 39 40 41 42 43 44	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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL	D/C	0 449 0 0 0 0 0 791 0 172 186 285	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435	0.0 10.3 0.0 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.0	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6
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 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	0 449 0 0 0 0 0 791 0 172 186 285 982	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0	0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.0 22.8	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6 22.8
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 CHITTORGARH-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 D/C	0 449 0 0 0 0 0 791 0 172 186 285 982 112	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529	0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.6 0.0 22.8	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6 22.8 -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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHISMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	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	0 449 0 0 0 0 791 0 172 186 285 982 112	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87	0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.0 22.8 0	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6 22.8 -2 1.0
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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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 D/C	0 449 0 0 0 0 0 791 0 172 186 285 982 112 37	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87 35	0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.0 22.8 0 1.1 0.4	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2 0.1 0.9	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6 22.8 -2 1.0 -0.5
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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHISMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	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	0 449 0 0 0 0 791 0 172 186 285 982 112	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87	0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.0 22.8 0	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6 22.8 -2 1.0
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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	0 449 0 0 0 0 791 0 172 186 285 982 112 37 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87 35 0	0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.6 0.1 1.1 0.4 1.7	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2 0.1 0.9 0.0	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6 22.8 -2 1.0 -0.5 1.7
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 CHITTORGARI-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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	0 449 0 0 0 0 0 791 0 172 186 285 982 112 37 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 0 529 87 35 0 12	0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.0 22.8 0.1 0.4 1.7 0.8	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2 0.1 0.9 0.0	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6 22.8 -2 1.0 -0.5 1.7 0.8
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 CHITTORGARI-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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	0 449 0 0 0 0 0 791 0 172 186 285 982 112 37 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87 35 0 12 0	0.0 10.3 0.0 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.6 0.0 22.8 0 1.1 0.4 1.7 0.8 0.0	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 0.0 0.0 0.0 0.0	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6 22.8 -2 1.0 -0.5 1.7 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 52	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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 449 0 0 0 0 791 0 172 186 285 982 112 37 0 135 85	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87 35 0 12 0	0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.0 22.8 0 1.1 0.4 1.7 0.8 0.0 50.2	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 0.0 0.0 0.0 0.0	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6 22.8 -2 1.0 -0.5 1.7 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 52 53	HVDC Export of HVDC 765 kV 400 kV 220 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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 449 0 0 0 0 0 791 0 172 186 285 982 112 37 0 135 85 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87 35 0 12 0 WR-NR	0.0 0.0 10.3 0.0 0.0 0.0 12.5 0.0 0.0 0.6 0.0 22.8 0 1.1 0.4 1.7 0.8 0.0 50.2	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2 0.1 0.9 0.0 0.0 2 205.5	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6 -0.5 1.7 0.8 0.0 -155.3
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	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-RANPUR BHANPURA-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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 449 0 0 0 0 0 791 0 172 186 285 982 112 37 0 135 85 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87 35 0 12 0 WR-NR	0.0 0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.6 0.0 22.8 0 1.1 0.4 1.7 0.8 0.0 50.2	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2 0.1 0.9 0.0 0.0 2 205.5	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 -0.6 -0.6 22.8 -2 1.0 -0.5 1.7 0.8 0.0 -155.3
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 50 51 Import/E 52 53 54 55	HVDC Export of HVDC 765 kV 400 kV 220 kV 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 CHITTORGARI-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 449 0 0 0 0 791 0 172 186 285 982 112 37 0 135 85 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 0 529 87 35 0 12 0 WR-NR	0.0 0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.6 0.0 22.8 0 1.1 0.4 1.7 0.8 0.0 50.2	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2 0.1 0.9 0.0 0.0 205.5	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6 22.8 -2 1.0 -0.5 1.7 0.8 0.0 -155.3
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	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARI-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 449 0 0 0 0 791 0 172 186 285 982 112 37 0 0 135 85 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87 35 0 112 0 WR-NR 995 0 2079 2739 0	0.0 0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.6 0.0 22.8 0 1.1 0.4 1.7 0.8 0.0 50.2	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2 0.1 0.9 0.0 0.0 205.5 23.7 0.0 24.4 39.1 0.0	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6 22.8 -2 1.0 -0.5 1.7 0.8 0.0 -155.3
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	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV 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 CHITTORGARH-BANASKANTHA ZERDA-SHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHANBAWATI B/B BARSUR-LSILERU 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 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	0 449 0 0 0 0 0 791 0 172 186 285 982 112 37 0 135 85 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87 35 0 112 0 WR-NR 995 0 2079 2739 0 0	0.0 10.3 0.0 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.6 0.0 22.8 0 1.1 0.4 1.7 0.8 0.0 50.2	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 0.0 20.5 23.7 0.0 24.4 39.1 0.0 0.0	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 0.6 -0.6 22.8 -2 1.0 -0.5 1.7 0.8 0.0 -155.3
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 220 kV 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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHASBAUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C	0 449 0 0 0 0 791 0 172 186 285 982 112 37 0 135 85 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87 35 0 112 0 WR-NR	0.0 0.0 10.3 0.0 0.0 0.0 12.5 0.0 0.0 0.6 0.0 22.8 0 1.1 0.4 1.7 0.8 0.0 50.2	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2 0.1 0.9 0.0 205.5 23.7 0.0 24.4 39.1 0.0 0.0 0.0 2.2	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 -0.6 -0.6 22.8 -2 1.0 -0.5 1.7 0.8 0.0 -155.3 -23.7 0.0 -22.3 -39.1 14.7 0.0 -2.2
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 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 CHITTORGARH-BANASKANTHA ZERDA-SHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHANBAWATI B/B BARSUR-LSILERU 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 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	0 449 0 0 0 0 0 791 0 172 186 285 982 112 37 0 135 85 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87 35 0 12 0 WR-NR	0.0 0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.6 0.0 22.8 0 1.1 0.4 1.7 0.8 0.0 50.2	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2 0.1 0.9 0.0 2 205.5 23.7 0.0 24.4 39.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 -0.6 -0.6 22.8 -2 1.0 -0.5 1.7 0.8 0.0 -155.3
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 - 220 kV 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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-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 D/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	0 449 0 0 0 0 791 0 172 186 285 982 112 37 0 135 85 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87 35 0 112 0 WR-NR	0.0 0.0 10.3 0.0 0.0 0.0 12.5 0.0 0.0 0.6 0.0 22.8 0 1.1 0.4 1.7 0.8 0.0 50.2	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2 0.1 0.9 0.0 205.5 23.7 0.0 24.4 39.1 0.0 0.0 0.0 2.2	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 -0.6 -0.6 22.8 -2 1.0 -0.5 1.7 0.8 0.0 -155.3 -23.7 0.0 -22.3 -39.1 14.7 0.0 -2.2
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 - 220 kV 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 SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 449 0 0 0 0 791 0 172 186 285 982 112 37 0 135 85 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87 35 0 112 0 WR-NR	0.0 0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.6 0.0 22.8 0 1.1 0.4 1.7 0.8 0.0 50.2	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2 0.1 0.9 0.0 2 205.5 23.7 0.0 24.4 39.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 -0.6 -0.6 22.8 -2 1.0 -0.5 1.7 0.8 0.0 -155.3 -23.7 0.0 -22.3 -39.1 14.7 0.0 -2.2 0.0 -72.5
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 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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-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 D/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	0 449 0 0 0 0 791 0 172 186 285 982 112 37 0 135 85 0	NER-NR 0 0 1739 2412 2007 1008 0 1431 992 202 435 0 529 87 35 0 112 0 WR-NR	0.0 0.0 10.3 0.0 0.0 0.0 0.0 12.5 0.0 0.0 0.6 0.0 22.8 0 1.1 0.4 1.7 0.8 0.0 50.2	22.0 0.0 40.9 42.6 29.3 33.0 0.0 29.8 4.5 0.0 0.6 0.0 2 0.1 0.9 0.0 2 205.5 23.7 0.0 24.4 39.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-12.1 -22.0 10.3 -40.9 -42.6 -29.3 -33.0 12.5 -29.8 -4.5 -0.6 -0.6 22.8 -2 1.0 -0.5 1.7 0.8 0.0 -155.3 -23.7 0.0 -22.3 -39.1 14.7 0.0 -2.2 0.0