

## 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: 27<sup>th</sup> Jan 2020

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. 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.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 26.01.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-जनवरी-2020 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 26<sup>th</sup> Jan 2020, is available at the NLDC website.

धन्यवाद,

Report for previous day Date of Reporting 27-Jan-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)	41153	43709	36467	17964	2284	141577
Peak Shortage (MW)	547	0	0	0	24	571
Energy Met (MU)	904	1105	943	353	41	3347
Hydro Gen (MU)	125	41	77	27	5	274
Wind Gen (MU)	3	13	22			38
Solar Gen (MU)*	36.73	26.00	89.05	1.91	0.04	154
Energy Shortage (MU)	0.0	0.0	0.0	0.0	0.8	0.8
Maximum Demand Met during the day (MW) & time	48931	51822	43795	18362	2362	160824
(from NLDC SCADA)	09:24	11:02	07:45	19:02	18:55	07:59

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	0.042	0.05	0.41	5.84	6.30	75.82	17.88

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	4962	0	99.3	49.4	-1.4	68	0.0
	Haryana	6280	0	116.7	79.2	-0.6	198	0.0
	Rajasthan	13298	0	231.0	72.1	0.7	419	0.0
	Delhi	3729	0	60.3	45.4	-1.6	156	0.0
NR	UP	15938	0	282.3	115.1	1.4	1292	0.0
	Uttarakhand	1901	0	33.5	21.3	0.4	208	0.0
	HP	1511	0	26.6	20.7	-1.5	79	0.0
	J&K(UT) and Ladakh(UT)	2266	567	49.9	45.7	-1.2	209	11.8
	Chandigarh	226	0	4.1	3.8	0.2	41	0.0
	Chhattisgarh	3742	0	80.0	36.6	-1.4	252	0.0
	Gujarat	14584	0	312.7	92.6	2.6	411	0.0
	MP	13882	0	254.5	150.7	-3.5	467	0.0
WR	Maharashtra	20031	0	424.1	132.3	-1.3	615	0.0
WK	Goa	433	0	8.7	8.8	-0.4	23	0.0
	DD	292	0	4.8	4.6	0.2	72	0.0
	DNH	768	0	14.9	14.9	0.0	131	0.0
	Essar steel	777	0	5.4	5.6	-0.2	223	0.0
	Andhra Pradesh	8914	0	178.7	66.7	-0.4	380	0.0
	Telangana	10367	0	208.0	99.2	0.2	615	0.0
SR	Karnataka	11282	0	214.7	57.6	-1.1	403	0.0
311	Kerala	3221	0	65.3	54.5	0.6	146	0.0
	Tamil Nadu	12574	0	270.3	145.2	-0.3	525	0.0
	Pondy	291	0	6.3	6.4	-0.1	40	0.0
	Bihar	4651	0	82.8	79.6	1.2	183	0.0
	DVC	3122	0	64.3	-32.3	-0.4	246	0.0
ER	Jharkhand	1267	0	26.6	16.9	0.1	96	0.0
EN	Odisha	3763	0	70.1	10.8	0.2	223	0.0
	West Bengal	5676	0	107.5	25.5	-0.6	268	0.0
	Sikkim	145	0	2.1	1.6	0.4	68	0.0
	Arunachal Pradesh	122	1	2.3	2.0	0.1	51	0.0
	Assam	1255	10	22,2	18.7	1.1	129	0.5
	Manipur	210	1	2.8	3.1	-0.3	24	0.0
NER	Meghalaya	362	0	6.5	5.7	-0.2	36	0.3
	Mizoram	102	1	1.9	1.6	-0.2	20	0.0
	Nagaland	128	2	2.3	2.1	0.0	33	0.0
	Tripura	218	3	3.3	3.5	-0.1	53	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.1	-6.9	-10.3
Day peak (MW)	454.0	-578.6	-863.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	198.8	-219.6	103.1	-90.9	7.9	-0.7
Actual(MU)	183.1	-227.0	119.2	-89.4	9.3	-4.7
O/D/U/D(MU)	-15.7	-7.3	16.1	1.5	1.5	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5411	16188	7522	1360	613	31094
State Sector	11365	15771	6940	4550	112	38738
Total	16776	31959	14462	5910	726	69832

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	477	1151	487	443	10	2569
Lignite	22	15	49	0	0	85
Hydro	125	41	77	27	5	274
Nuclear	22	33	40	0	0	94
Gas, Naptha & Diesel	25	33	18	0	20	97
RES (Wind, Solar, Biomass & Others)	70	46	152	2	0	270
Total	739	1319	823	472	36	3389

Share of RES in total generation (%)	9.40	3.52	18.46	0.41	0.11	7.96
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.18	9.10	32.65	6.04	14.76	18.83

H. All India Demand Diversity Factor

11 111 India Demand Diversity Luctor		
Based on Regional Max Demands	1.028	
Based on State Max Demands	1.071	

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

 $<sup>\</sup>textbf{*Source} : \textbf{RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.}$ 

Ī		IN	TER-REGI	ONAL EXCH	ANGES	Date of l	Reporting :	27-Jan-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)
	Export of	ER (With NR)						
5	HVDC	ALIPURDUAR-AGRA PUSAULI B/B	S/C	0	299	0.0	7.3	-7.3
1		GAYA-VARANASI	D/C	0	853	0.0	8.6	-8.6
2	765kV	SASARAM-FATEHPUR	S/C	55	324	0.0	3.1	-3.1
3		GAYA-BALIA	S/C	0	563	0.0	7.5	-7.5
6 7	-	PUSAULI-VARANASI PUSAULI -ALLAHABAD	S/C S/C	0	222 143	0.0	4.6 2.7	-4.6 -2.7
8	1	MUZAFFARPUR-GORAKHPUR	D/C	31	807	0.0	8.3	-8.3
9	400 kV	PATNA-BALIA	Q/C	0	762	0.0	14.9	-14.9
10		BIHARSHARIFF-BALIA	D/C	0	391	0.0	4.7	-4.7
11		MOTIHARI-GORAKHPUR	D/C	0	4	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	116	298	0.0	1.5	-1.5
13 14	220 kV	PUSAULI-SAHUPURI	S/C	0	99	0.0	1.8	-1.8
15	-	SONE NAGAR-RIHAND GARWAH-RIHAND	S/C S/C	30	0	0.0	0.0	0.0
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.7	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
		· 			ER-NR	0.7	57.8	-57.1
Import/E	Export of	ER (With WR)						
18		JHARSUGUDA-DHARAMJAIGARH	Q/C	5939	0	19.2	0.0	19.2
19	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	691	207	2.9	0.0	2.9
20		JHARSUGUDA-DURG	D/C	0	108	0.0	0.7	-0.7
21	400 kV	JHARSUGUDA-RAIGARH RANCHI-SIPAT	Q/C D/C	160 224	246 55	0.0	0.0	-1.7 0.9
23		BUDHIPADAR-RAIGARH	S/C	0	99	0.9	1.4	-1.4
24	220 kV	BUDHIPADAR-KORBA	D/C	141	0	2.3	0.0	2.3
					ER-WR	25.2	3.8	21.5
Import/E	Export of	ER (With SR)						
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	537.0	0.0	12.6	-12.6
27 25		TALCHER-KOLAR BIPOLE	D/C	0.0	1986.0	0.0	41.8	-41.8 -43.8
28	765 kV 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	D/C D/C	439.0	2448.0 352.0	1.6	43.8	-43.8 1.6
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
		•			ER-SR	0.0	98.2	-98.2
Import/E	Export of	ER (With NER)						
30	400 kV	BINAGURI-BONGAIGAON	D/C	126	149	0.0	0.5	-1
31			D (0		4.0=			
	220 kV	ALIPURDUAR-BONGAIGAON	D/C	220	187	1.1	0.0	0
32	220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	D/C D/C	220 44	187 42 ER-NER	1.1 0.2 1.3	0.0 0.0 <b>0.5</b>	0 0.7
32					42	0.2	0.0	0
32		ALIPURDUAR-SALAKATI			42 ER-NER 0	0.2 1.3	0.0 0.5	0 0.7
32 Import/E 33	Export of HVDC	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA		44	42 ER-NER	0.2 1.3	0.0 <b>0.5</b>	0 0.7
Import/E 33 Import/E	Export of HVDC	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)	D/C	473	42 ER-NER 0 NER-NR	0.2 1.3 11.6 11.6	0.0 0.5 0.0 0.0	0 0.7 11.6 11.6
32 Import/E 33 Import/E 34	Export of HVDC	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA	D/C - D/C	473	42 ER-NER 0 NER-NR	0.2 1.3 11.6 11.6	0.0 0.5 0.0 0.0 17.9	0 0.7 11.6 11.6 -17.9
Import/E 33 Import/E	Export of HVDC	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)	D/C	473	42 ER-NER 0 NER-NR	0.2 1.3 11.6 11.6	0.0 0.5 0.0 0.0	0 0.7 11.6 11.6
32 Import/E 33 Import/E 34 35	Export of HVDC	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL B/B	D/C - D/C D/C	44 473 0 449	42 ER-NER 0 NER-NR 804 203	0.2 1.3 11.6 11.6 0.0 4.8	0.0 0.5 0.0 0.0 17.9 2.6	0 0.7 11.6 11.6 -17.9 2.1
32 Import/E 33 Import/E 34 35 36 37 38	Export of HVDC	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG	D/C   D/C  D/C  D/C  D/C  D/C  D/C  D	44 473 0 449 0 0 0	42 ER-NER 0 NER-NR 804 203 1554 2452 1418	0.2 1.3 11.6 11.6 0.0 4.8 0.0 0.0	0.0 0.5 0.0 0.0 17.9 2.6 38.7	0 0.7 11.6 11.6 -17.9 2.1 -38.7
32 Import/E 33 Import/E 34 35 36 37 38 39	Export of HVDC	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL 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	44 473 0 449 0 0 0 0	42 ER-NER 0 NER-NR 804 203 1554 2452 1418 929	0.2 1.3 11.6 11.6 0.0 4.8 0.0 0.0 0.0	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1	0 0.7 11.6 11.6 -17.9 2.1 -38.7 -40.1 -20.4 -27.1
32 Import/E 33 Import/E 34 35 36 37 38 39 40	Export of HVDC  HVDC	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL B/B  APLMHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI	D/C  D/C  D/C  D/C  D/C  D/C  D/C  S/C	44 473 0 449 0 0 0 0 0 725	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0	0.2 1.3 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0	0 0.7 11.6 11.6 11.6 2.1 -38.7 -40.1 -20.4 -27.1 11.9
32 Import/E 33 Import/E 34 35 36 37 38 39 40 41	Export of HVDC  HVDC	ALIPURDUAR-SALAKATI  NER (With NR)  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  D/C  S/C  S	44 473 0 449 0 0 0 0 0 725 0	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0 1365	0.2 1.3 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 11.9	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0	0 0.7 11.6 11.6 -17.9 2.1 -38.7 -40.1 -20.4 -27.1 11.9 -26.0
32 Import/E 33 Import/E 34 35 36 37 38 39 40	Export of HVDC  HVDC	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL B/B  APLMHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI	D/C  D/C  D/C  D/C  D/C  D/C  D/C  S/C	44 473 0 449 0 0 0 0 0 725	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0	0.2 1.3 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7	0 0.7 11.6 11.6 -17.9 2.1 -38.7 -40.1 -20.4 -27.1 11.9 -26.0 -3.7
32 Import/E 33 Import/E 34 35 36 37 38 39 40 41 41	Export of HVDC Export of HVDC - 765 kV	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABAL PUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITTORGARH-BANASKANTHA	D/C  D/C  D/C  D/C  D/C  D/C  D/C  S/C  S	44 473 0 449 0 0 0 0 0 725 0 230	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0 1365 1005	0.2 1.3 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 11.9 0.0	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0	0 0.7 11.6 11.6 -17.9 2.1 -38.7 -40.1 -20.4 -27.1 11.9 -26.0
32 Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43	Export of HVDC  HVDC	ALIPURDUAR-SALAKATI  NER (With NR)  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	D/C  D/C  D/C  D/C  D/C  D/C  D/C  S/C  S	44 473 0 449 0 0 0 0 725 0 230 122	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0 1365 1005 202	0.2 1.3 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0	0 0.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11
32 Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46	Export of HVDC Export of HVDC - 765 kV	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL-MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  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	44 473 0 449 0 0 0 0 725 0 230 122 24 981 215	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0 1365 1005 202 501 0 334	0.2 1.3 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 11.9 0.0 0.0 0.0 11.9 0.0 0.0	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 3.6 0.0 0.0	0 0.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11
32 Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Export of HVDC Export of HVDC - 765 kV	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL-MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABAL PUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITTORGARH-BANASKANTHA  ZERDA-BHINMAL  V'CHAL-RIHAND  RAPP-SHUJALPUR  BHANPURA-RANPUR	D/C  D/C  D/C  D/C  D/C  D/C  D/C  D/C	44 473 0 449 0 0 0 0 0 725 0 230 122 24 981 215 14	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0 1365 1005 202 501 0 334 96	0.2 1.3 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 11.9 0.0 0.0 0.0 11.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.5 0.0 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 3.6 0.0 0.0	0 0.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11
32  Import/E 33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Export of HVDC Export of HVDC - 765 kV	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL B/B  APL-MHG  GWALIOR-AGRA  PHAGI-GWALIOR  IABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITTORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA - BHINMAL  VCHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-RANPUR  BHANPURA-MORAK	D/C  D/C  D/C  D/C  D/C  D/C  D/C  D/C	44 473 0 449 0 0 0 0 0 725 0 230 122 24 981 215 14 40	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0 1365 1005 202 501 0 334 96 113	0.2 1.3 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.5 0.0 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 3.6 0.0 0 0 0	0 0.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11
32 Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	Export of HVDC Export of HVDC - 765 kV	ALIPURDUAR-SALAKATI  NER (With NR)  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-MORAK  MEHGAON-AURAIYA	D/C  D/C  D/C  D/C  D/C  D/C  D/C  S/C  S	44 473 0 449 0 0 0 0 0 725 0 230 122 24 981 215 14 40 98	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0 1365 1005 202 501 0 334 96 113 0	0.2 1.3 11.6 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 3.6 0.0 0 0 0.0	0 0.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11
32  Import/E 33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Export of HVDC Export of HVDC - 765 kV	ALIPURDUAR-SALAKATI  NER (With NR)  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-BHINMAL  VCHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-RANPUR  BHANPURA-RANPUR  BHANPURA-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA	D/C  D/C  D/C  D/C  D/C  D/C  D/C  D/C	44 473 0 449 0 0 0 0 0 725 0 230 122 24 981 215 14 40	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0 1365 1005 202 501 0 334 96 113	0.2 1.3 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.5 0.0 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 3.6 0.0 0 0 0	0 0.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11
32  Import/E 33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	Export of HVDC Export of HVDC - 765 kV - 400 kV	ALIPURDUAR-SALAKATI  NER (With NR)  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-MORAK  MEHGAON-AURAIYA	D/C  D/C  D/C  D/C  D/C  D/C  D/C  S/C  S	44 473 0 449 0 0 0 0 725 0 230 122 24 981 215 14 40 98 50	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0 1365 1005 202 501 0 334 96 1113 0 27	0.2 1.3 11.6 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 3.6 0.0 0.0 0.0	0 0.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11
32  Import/E 33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	Export of HVDC Export of HVDC - 765 kV - 400 kV	ALIPURDUAR-SALAKATI  NER (With NR)  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  MALANPUR-JURAURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)	D/C  D/C  D/C  D/C  D/C  D/C  D/C  S/C  S	44 473 0 449 0 0 0 0 0 725 0 230 122 24 981 215 14 40 98 50 0	42  ER-NER  0  NER-NR  804  203  1554  2452  1418  929  0  1365  1005  202  501  0  334  96  113  0  27  0  WR-NR	0.2 1.3 11.6 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 22.6 0 0.5 0.1 1.4 0.5 0.0 41.7	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 3.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 0.7 11.6 11.6 11.6 -17.9 2.1 -38.7 -40.1 -20.4 -27.1 11.9 -26.0 -3.7 0.1 -3.6 22.6 0 0.1 -0.9 1.4 0.4 0.0 -140.2
32  Import/E 33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E	Export of HVDC Export of HVDC - 765 kV - 400 kV	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL B/B  APL-MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  ZERDA-BHINMAL  VCHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-RANPUR  BHANPURA-MORAK  MEHGAON-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHADRAWATI B/B	D/C  D/C  D/C  D/C  D/C  D/C  D/C  D/C	44 473 0 449 0 0 0 0 0 725 0 230 122 24 981 215 14 40 98 50 0	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0 1365 1005 202 501 0 334 96 113 0 27 0 WR-NR	0.2 1.3 11.6 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 11.9 0.0 0.0 0.1 0.0 22.6 0 0.5 0.1 1.4 0.5 0.0 41.7	0.0 0.5 0.0 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0.0	0 0.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11
32  Import/E 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	Export of HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV	ALIPURDUAR-SALAKATI  NER (With NR)  BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL B/B  APL-MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL -RIHAND  RAPP-SHUJALPUR  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  D/C	44 473 0 449 0 0 0 0 0 0 725 0 230 122 24 981 215 14 40 98 50 0	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0 1365 1005 202 501 0 334 96 113 0 27 0 WR-NR	0.2 1.3 11.6 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 11.9 0.0 0.0 0.1 0.0 0.5 0.1 1.4 0.5 0.0 41.7	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 3.6 0.0 0.4 1.0 0.0 0.1 0.0 182.0	0 0.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11
32  Import/E 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	Export of HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV	ALIPURDUAR-SALAKATI  NER (With NR)  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 -BHINMAL  VCHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-RANPUR  BHANPURA-RANPUR  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	44 473 0 449 0 0 0 0 0 725 0 230 122 24 981 215 14 40 98 50 0	42  ER-NER  0  NER-NR  804  203  1554  2452  1418  929  0  1365  1005  202  501  0  334  96  113  0  27  0  WR-NR	0.2 1.3 11.6 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.9 0.0 0.1 0.0 22.6 0.5 0.1 1.4 0.5 0.0 41.7	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 3.6 0.0 0.0 0.1 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 0	0 0.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11
32  Import/E 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	Export of HVDC Export of HVDC  765 kV  220 kV  132kV  Export of HVDC  765 kV	ALIPURDUAR-SALAKATI  NER (With NR)  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-BHINMAL  VCHAL -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	D/C  D/C  D/C  D/C  D/C  D/C  D/C  S/C  S	44 473 0 449 0 0 0 0 0 725 0 230 122 24 981 215 14 40 98 50 0	42  ER-NER  0  NER-NR  804  203  1554  2452  1418  929  0  1365  1005  202  501  0  334  96  113  0  27  0  WR-NR  1012  0  1961  2324	0.2 1.3 11.6 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.9 0.0 0.1 0.0 0.5 0.1 1.4 0.5 0.0 41.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 3.6 0.0 0.0 0.1 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 1	0 0.7 11.6 11.6 11.6 11.6  -17.9 2.1 -38.7 -40.1 -20.4 -27.1 11.9 -26.0 -3.7 0.1 -3.6 22.6 0 0.1 -0.9 1.4 0.4 0.0 -140.2
32  Import/E 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	Export of HVDC Export of HVDC  765 kV  400 kV  132kV  Export of HVDC	ALIPURDUAR-SALAKATI  NER (With NR)  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 -BHINMAL  VCHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-RANPUR  BHANPURA-RANPUR  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	44 473 0 449 0 0 0 0 0 725 0 230 122 24 981 215 14 40 98 50 0	42 ER-NER  0 NER-NR  804 203 1554 2452 1418 929 0 1365 1005 202 501 0 334 96 113 0 27 0 WR-NR	0.2 1.3 11.6 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.9 0.0 0.1 0.0 22.6 0.5 0.1 1.4 0.5 0.0 41.7	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 3.6 0.0 0.0 0.1 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 0	0 0.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11
32  Import/E 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	Export of HVDC Export of HVDC  765 kV  220 kV  132kV  Export of HVDC  765 kV	ALIPURDUAR-SALAKATI  NER (With NR)  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-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	44  473  0  449  0  0  0  725  0  230  122  24  981  215  14  40  98  50  0  0  713  0  602	42  ER-NER  0  NER-NR  804  203  1554  2452  1418  929  0  1365  1005  202  501  0  334  96  113  0  27  0  WR-NR  1012  0  1961  2324  226	0.2 1.3 11.6 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.2 2.6 0 0.5 0.1 1.4 0.5 0.0 41.7 0.0 0.0 0.0 0.0 0.0 1.8 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.0	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 3.6 0.0 0.0 0.1 0.0 11.0 0.0 11	0 0.7  11.6  11.6  -17.9  2.1  -38.7  -40.1  -20.4  -27.1  11.9  -26.0  -3.7  0.1  -3.6  22.6  0  0.1  -0.9  1.4  0.4  0.0  -140.2  -16.5  0.0  -20.0  -32.4  3.4
32  Import/E 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	Export of HVDC Export of HVDC  765 kV  400 kV  220 kV  132kV  Export of HVDC  765 kV	ALIPURDUAR-SALAKATI  NER (With NR)  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-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHADRAWATI B/B  BBARSUR-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	44  473  0  449  0  0  0  725  0  230  122  24  981  215  14  40  98  50  0  0  713  0  602  0	42  ER-NER  0  NER-NR  804  203  1554  2452  1418  929  0  1365  1005  202  501  0  334  96  113  0  27  0  WR-NR  1012  0  1961  2324  226  0	0.2 1.3 11.6 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.1 0.0 4.1 0.0 0.0 0.1 1.4 0.5 0.0 0.1 1.4 0.5 0.0 4.1 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0 0	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 3.6 0.0 0.0 0.1 1.0 0.0 182.0 16.5 0.0 21.8 32.4 0.7 0.0	0 0.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11
32  Import/E 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	Export of HVDC Export of HVDC  765 kV  400 kV  220 kV  132kV  Export of HVDC  765 kV	ALIPURDUAR-SALAKATI  NER (With NR)  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-RANPUR  BHANPURA-WORAI  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHARDAWATI B/B  BARSUR-LSILERU  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	44  473  0  449  0  0  0  0  725  0  230  122  24  981  215  14  40  98  50  0  0  713  0  602  0  1	42  ER-NER  0  NER-NR  804  203  1554  2452  1418  929  0  1365  1005  202  501  0  334  96  113  0  27  0  WR-NR  1012  0  1961  2324  226  0  0	0.2 1.3 11.6 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 22.6 0 0.5 0.1 1.4 0.5 0.0 41.7	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 3.6 0.0 0.1 0.0 182.0 16.5 0.0 21.8 32.4 0.7 0.0 0.0 0.0	0 0.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11
32  Import/E 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	Export of HVDC Export of HVDC  765 kV  400 kV  220 kV  132kV  Export of HVDC  765 kV	ALIPURDUAR-SALAKATI  NER (With NR)  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-WANE  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  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	44  473  0  449  0  0  0  0  725  0  230  122  24  981  215  14  40  98  50  0  0  713  0  602  0  1	42  ER-NER  0  NER-NR  804  203  1554  2452  1418  929  0  1365  1005  202  501  0  334  96  113  0  27  0  WR-NR  1012  0  1961  2324  2226  0  0  88  WR-SR	0.2 1.3 11.6 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 11.9 0.0 0.0 0.1 0.0 22.6 0 0.5 0.1 1.4 0.5 0.0 41.7 0.0 0.0 0.0 1.8	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 0.1 1.0 0.0 182.0 16.5 0.0 21.8 32.4 0.7 0.0 0.0 0.0 0.0	0 0.7 11.6 11.6 11.6 11.6 -17.9 2.1 -38.7 -40.1 -20.4 -27.1 11.9 -26.0 -3.7 0.1 -3.6 22.6 0 0.1 -0.9 1.4 0.4 0.0 -140.2 -16.5 0.0 -20.0 -32.4 3.4 0.0 0.0 1.8
32  Import/E 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	Export of HVDC Export of HVDC  765 kV  400 kV  220 kV  132kV  Export of HVDC  765 kV	ALIPURDUAR-SALAKATI  NER (With NR)  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-WANE  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  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	44  473  0  449  0  0  0  0  725  0  230  122  24  981  215  14  40  98  50  0  0  713  0  602  0  1  0	42  ER-NER  0  NER-NR  804  203  1554  2452  1418  929  0  1365  1005  202  501  0  334  96  113  0  27  0  WR-NR  1012  0  1961  2324  2226  0  0  88  WR-SR	0.2 1.3 11.6 11.6 11.6 0.0 4.8 0.0 0.0 0.0 0.0 0.0 11.9 0.0 0.0 0.1 0.0 22.6 0 0.5 0.1 1.4 0.5 0.0 41.7 0.0 0.0 0.0 1.8	0.0 0.5 0.0 0.0 17.9 2.6 38.7 40.1 20.4 27.1 0.0 26.0 3.7 0.0 0.1 1.0 0.0 182.0 16.5 0.0 21.8 32.4 0.7 0.0 0.0 0.0 0.0	0 0.7 11.6 11.6 11.6 11.6 -17.9 2.1 -38.7 -40.1 -20.4 -27.1 11.9 -26.0 -3.7 0.1 -3.6 22.6 0 0.1 -0.9 1.4 0.4 0.0 -140.2 -16.5 0.0 -20.0 -32.4 3.4 0.0 0.0 1.8