

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 29th 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 28.01.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28th Jan 2020, is available at the NLDC website.

धन्यवाद,

Report for previous day Date of Reporting 29-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)	46223	48775	41720	18992	2495	158205
Peak Shortage (MW)	601	0	75	0	24	700
Energy Met (MU)	926	1185	1028	366	43	3548
Hydro Gen (MU)	125	40	94	35	5	298
Wind Gen (MU)	12	65	23			100
Solar Gen (MU)*	31.93	23.10	78.95	1.56	0.03	136
Energy Shortage (MU)	12.6	0.0	0.4	0.0	0.7	13.7
Maximum Demand Met during the day (MW) & time	47552	57152	49151	19318	2521	171063
(from NLDC SCADA)	09:46	11:02	08:08	19:01	17:53	09:27

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	0.036	0.00	0.06	7.71	7.77	76.68	15.56

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	5436	0	102.9	51.4	-1.9		0.0
	Haryana	6210	0	116.3	81.4	0.3		0.0
	Rajasthan	13781	0	240.6	63.1	-1.0	261	0.0
	Delhi	4225	0	72.1	55.9	-0.6		0.0
NR	UP	15073	0	270.4	108.9	-0.5	740	0.9
MIX	Uttarakhand	1942	0	38.7	27.1	0.0	137	0.0
	HP	1549	0	28.6	22.5	-0.9	-	0.0
	J&K(UT) and Ladakh(UT)	2483	621	52.2	46.0	0.9	-	11.7
	Chandigarh	262	0	4.4	4.1	0.3	63	0.0
	Chhattisgarh	3789	0	80.8	42.2	-1.1	449	0.0
	Gujarat	16189	0	338.0	92.0	4.4	982	0.0
	MP	14712	0	258.5	142.9	-3.0	451	0.0
WR	Maharashtra	22975	0	467.0	147.8	-0.9	703	0.0
WK	Goa	487	0	10.2	10.2	-0.4	29	0.0
	DD	333	0	7.4	7.1	0.3	38	0.0
	DNH	815	0	18.9	18.8	0.1	42	0.0
	Essar steel	725	0	4.6	5.6	-1.0	244	0.0
	Andhra Pradesh	9371	0	187.8	68.6	-0.1	405	0.0
	Telangana	11200	0	218.5	107.8	0.1	536	0.0
SR	Karnataka	12378	0	233.3	60.5	1.0	584	0.0
JN.	Kerala	3680	-75	74.2	55.1	1.6	325	0.4
	Tamil Nadu	14719	0	307.0	159.2	1.4	674	0.0
	Pondy	365	0	7.4	7.4	0.0	45	0.0
	Bihar	4456	0	80.6	77.9	0.9	400	0.0
	DVC	3322	0	66.3	-35.9	0.2	500	0.0
ER	Jharkhand	1325	0	26.3	17.5	0.8	100	0.0
ER	Odisha	3830	0	71.0	9.5	-0.6	200	0.0
	West Bengal	6549	0	119.5	28.0	-0.8	250	0.0
	Sikkim	146	0	2.2	1.8	0.5	30	0.0
	Arunachal Pradesh	137	1	2,2	2.1	0.0	51	0.0
	Assam	1373	10	23.4	20.1	0.7	103	0.4
	Manipur	217	1	2.9	3.1	-0.3	28	0.0
NER	Meghalaya	377	0	6.6	5.8	-0.2	30	0.3
	Mizoram	126	1	1.7	1.6	-0.4	25	0.0
	Nagaland	116	2	2.4	2.1	0.1	21	0.0
	Tripura	224	0	3.6	1.8	0.0	37	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.6	-11.5	-10.3
Day peak (MW)	510.1	-560.0	-851.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	207.4	-233.3	118.1	-99.1	6.7	-0.2
Actual(MU)	192.4	-251.1	144.0	-93.7	7.5	-0.9
O/D/U/D(MU)	-14.9	-17.8	25.9	5.4	0.8	-0.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5882	14183	7982	1360	613	30020
State Sector	11525	15879	6140	4760	11	38315
Total	17407	30062	14122	6120	625	68335

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	489	1195	558	456	13	2711
Lignite	23	14	41	0	0	78
Hydro	125	40	94	35	5	298
Nuclear	24	33	40	0	0	97
Gas, Naptha & Diesel	27	36	19	0	22	104
RES (Wind, Solar, Biomass & Others)	73	98	139	2	0	312
Total	759	1416	891	492	41	3599
	•	•		•		

Share of RES in total generation (%)	9.57	6.92	15.66	0.32	0.07	8.66
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.17	12.05	30.60	7.37	13.12	19.63

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027	
Based on State Max Demands	1.081	

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	<u> FER-REGI</u>	ONAL EXCH	ANGES	: 29-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)
mport/E		ER (With NR)	l l				(1120)	(1.10)
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	2	299	0.0	7.0	-7.0
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	D/C S/C	64 107	867 503	0.0	8.8 4.2	-8.8 -4.2
3	7001	GAYA-BALIA	S/C	0	519	0.0	8.4	-8.4
6		PUSAULI-VARANASI	S/C	38	226	0.0	4.3	-4.3
7		PUSAULI -ALLAHABAD	S/C	0	161	0.0	2.6	-2.6
8		MUZAFFARPUR-GORAKHPUR	D/C	0	738	0.0	8.1	-8.1
9	400 kV	PATNA-BALIA	Q/C	0	957	0.0	14.2	-14.2
10	1	BIHARSHARIFF-BALIA	D/C	0	375	0.0	4.8	-4.8
11		MOTIHARI-GORAKHPUR	D/C	0	6	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	155	331	0.0	1.9	-1.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	119	0.0	2.1	-2.1
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	122.137	GARWAH-RIHAND	S/C	30	0	0.7	0.0	0.7
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	0.7	59.3	-58.6
mport/E	Export of	ER (With WR)			,			1
18		JHARSUGUDA-DHARAMJAIGARH	Q/C	1935	0	25.3	0.0	25.3
19	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	823	75	7.1	0.0	7.1
20		JHARSUGUDA-DURG	D/C	188	155	0.2	0.0	0.2
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	107	480	0.0	4.4	-4.4
22	-00 K V	RANCHI-SIPAT	D/C	146	158	0.7	0.0	0.7
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	123	0.0	1.2	-1.2
24		BUDHIPADAR-KORBA	D/C	150	16	1.4	0.0	1.4
					ER-WR	34.8	5.6	29.2
_	Export of	ER (With SR)			1			1
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	533.0	0.0	12.3	-12.3
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2459.0	0.0	48.3	-48.3
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2601.0	0.0	47.5	-47.5
28	400 kV	TALCHER-I/C	D/C	270.0	985.0	0.0	6.9	-6.9
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
Immout/E	Ermont of	ED (With NED)			ER-SR	0.0	108.2	-108.2
30 30	export of	ER (With NER) BINAGURI-BONGAIGAON	D/C	120	159	0.4	0.0	0
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	221	201	1.1	0.0	1
21						1.1		
32	220 kV			43	48	0.1	0.0	0
32	220 kV	ALIPURDUAR-SALAKATI	D/C	43	48 ER-NER	0.1 1.6	0.0	0 1.6
				43		0.1 1.6	0.0	0 1.6
		ALIPURDUAR-SALAKATI		472				
mport/E	Export of	ALIPURDUAR-SALAKATI NER (With NR)	D/C		ER-NER	1.6	0.0	1.6
mport/E	Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR)	D/C		ER-NER	1.6	0.0	1.6
mport/E	Export of HVDC	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA	D/C		ER-NER	1.6	0.0	1.6
(mport/E 33 (mport/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	472 0 447	0 NER-NR 1603 102	1.6 10.3 10.3 0.0 9.1	0.0 0.0 0.0 21.0 0.0	10.3 10.3 10.3 -21.0 9.1
(mport/E 33 (mport/E 34	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	0 447 0	0 NER-NR	1.6 10.3 10.3 0.0 9.1	0.0 0.0 0.0 21.0 0.0 42.4	1.6 10.3 10.3 -21.0 9.1 -42.4
(mport/E 33 (mport/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 D/C D/C	0 447 0 0 0	0 NER-NR 1603 102 1924 2665	1.6 10.3 10.3 0.0 9.1 0.0 0.0	0.0 0.0 0.0 21.0 0.0 42.4 42.3	1.6 10.3 10.3 -21.0 9.1 -42.4 -42.3
mport/E 33 mport/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 GWALIOR-AGRA PHAGI-GWALIOR	D/C D/C D/C D/C D/C D/C D/C D	0 447 0 0 0	0 NER-NR 1603 102 1924 2665 1560	1.6 10.3 10.3 0.0 9.1 0.0 0.0 0.0	0.0 0.0 0.0 21.0 0.0 42.4 42.3 20.5	1.6 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5
mport/E 33 mport/E 34 35 36 37 38 39	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	D/C D/C D/C D/C D/C D/C D/C D/C	472 0 447 0 0 0	0 NER-NR 1603 102 1924 2665 1560 911	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 0.0	0.0 0.0 21.0 0.0 42.4 42.3 20.5 29.3	1.6 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3
mport/E 33 mport/E 34 35 36 37 38 39 40	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	D/C D/C D/C D/C D/C D/C D/C S/C	0 447 0 0 0 0 0 0 0 798	0 NER-NR 1603 102 1924 2665 1560 911 0	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 0.0 11.6	0.0 0.0 0.0 21.0 0.0 42.4 42.3 20.5 29.3 0.0	1.6 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6
mport/E 33 mport/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	472 0 447 0 0 0 0 0 0 798 0	0 NER-NR 1603 102 1924 2665 1560 911 0	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0	0.0 0.0 0.0 21.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2	1.6 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42	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 CHITTORGARH-BANASKANTHA	D/C D/C D/C D/C D/C D/C D/C S/C S	472 0 447 0 0 0 0 0 0 798 0 482	0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0	0.0 0.0 0.0 21.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1	1.6 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1
mport/E 33 mport/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 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	0 447 0 0 0 0 0 0 798 0 482 219	0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 0.9	0.0 0.0 0.0 21.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0	1.6 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44	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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL	D/C D/C D/C D/C D/C D/C D/C D/C	0 447 0 0 0 0 0 0 798 0 482 219 288	0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358	1.6 10.3 10.3 0.0 9.1 0.0 0.0 0.0 0.0 11.6 0.0 0.0	0.0 0.0 0.0 21.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 1.5	1.6 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45	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	D/C D/C D/C D/C D/C D/C D/C D/C	0 447 0 0 0 0 0 0 798 0 482 219 288 981	0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0	1.6 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 0.9 0.0 22.4	0.0 0.0 0.0 0.0 21.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 1.5 0.0	1.6 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45	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	472 0 447 0 0 0 0 0 798 0 482 219 288 981 0	0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119	1.6 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 0.0	0.0 0.0 0.0 21.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 0.0	1.6 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0
(mport/E 33 mport/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 JABALPUR-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	472 0 447 0 0 0 0 0 798 0 482 219 288 981 0 30	0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 3558 0 119 80	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0
mport/E 33 mport/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-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	0 447 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44	0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 0.0	0.0 0.0 0.0 0.0 21.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 0 0 0.0 0.0 0.0 0.0 0.0	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1
mport/E 33 mport/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-MORAK MEHGAON-AURAIYA	D/C D/C D/C D/C D/C D/C D/C S/C S	0 447 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44	0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 1.5 0.0 0.0 0.0 1.2 0.0	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1
mport/E 33 mport/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-BHINMAL V'CHAL -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 S/C S	0 447 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44 111 66	ER-NER 0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 33	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 0.0 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.6 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3
mport/E 33 mport/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-MORAK MEHGAON-AURAIYA	D/C D/C D/C D/C D/C D/C D/C S/C S	0 447 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44	0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 33	1.6 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 22.4 0 0.5 1.1 0.4 0.0	0.0 0.0 0.0 0.0 21.0 0.0 42.4 42.3 20.5 29.3 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.6 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3 0.0
mport/E 33 mport/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-SHUIALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-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	0 447 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44 111 66	ER-NER 0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 33	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 0.0 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.6 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3
mport/E 33 mport/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-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR)	D/C D/C D/C D/C D/C D/C D/C S/C S	472 0 447 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44 111 66 0	ER-NER 0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 WR-NR	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 0.9 0.0 22.4 0 0.5 0.1 1.1 0.4 0.0 46.0	0.0 0.0 0.0 0.0 21.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 0.0 0.4 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3 0.0 -144.5
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/E 52	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 ZERDA-BHINMAL V'CHAL -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 S/C S	472 0 447 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44 111 66 0	0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 WR-NR	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 0.9 0.0 22.4 0 0.5 0.1 1.1 0.4 0.0 46.0	0.0 0.0 0.0 0.0 21.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 0.0 1.5 0.0 0.0 0.0 1.5 0.0 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3 0.0 -144.5
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/E 52 53	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of	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-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	472 0 447 0 0 0 0 0 798 0 482 219 288 981 0 30 44 111 66 0	0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 3558 0 119 80 110 0 WR-NR	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 22.4 0 0.5 0.1 1.1 0.4 0.0 46.0	0.0 0.0 0.0 0.0 0.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 0 0.4 1.2 0.0 0.1 1.5 0.0 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3 0.0 -144.5
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/E 52 53 54	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of	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-BHINMAL V'CHAL -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	0 447 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44 111 66 0	0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 33 0 WR-NR	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 0 0 0 0 1.5 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3 0.0 -144.5
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/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 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-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHASUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	D/C D/C D/C D/C D/C D/C D/C S/C S	0 447 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44 111 66 0	ER-NER 0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 WR-NR	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 0.0 11.6 0.0 0.9 0.0 22.4 0 0.5 1.1 0.4 0.0 46.0	0.0 0.0 0.0 0.0 42.4 42.3 20.5 29.3 0.0 1.5 0.0 0.1 0.0 1.2 0.0 1.2 0.0 1.2 0.0 1.2 0.0 1.3 1.3 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3 0.0 -144.5
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/E 52 53 54 55 56	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-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	D/C D/C D/C D/C D/C D/C D/C D/C	0 447 0 0 0 0 0 0 798 0 0 482 219 288 981 0 30 44 111 66 0	BR-NER 0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 WR-NR 1006 0 2059 2329 240	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 22.4 0 0.5 1.1 0.4 0.0 46.0 0.0 0.0 0.0 0.0 0.	0.0 0.0 0.0 0.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 0.4 1.5 0.0 0.1 0.0 1.5 0.0 0.1 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3 0.0 -144.5 -21.9 0.0 -23.3 -34.6 2.0
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/E 52 53 54 55 56 57	Export of HVDC Export of HVDC 765 kV 400 kV 132kV 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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHASWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI	D/C D/C D/C D/C D/C D/C D/C S/C S	0 447 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44 111 66 0	ER-NER 0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 33 0 WR-NR	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 22.4 0 0.5 0.1 1.1 0.4 0.0 46.0 0.0 0.0 0.0 0.0 0.	0.0 0.0 0.0 0.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 0 0.4 1.5 0.0 0.1 0.0 1.5 0.0 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3 0.0 -144.5 -21.9 0.0 -23.3 -34.6 2.0 0.0
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/E 52 53 54 55 56 57 58	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 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-WANGAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHARDAWATI 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	0 447 0 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44 111 66 0 0	0 NER-NER 0 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 333 0 WR-NR 1006 0 2059 2339 240 0 0 0	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 22.4 0 0.5 0.1 1.1 0.4 0.0 46.0 0.0 0.0 0.0 0.0 0.	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3 0.0 -144.5 -21.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/E 52 53 54 55 56 57	Export of HVDC Export of HVDC 765 kV 400 kV 132kV 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 CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHASWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI	D/C D/C D/C D/C D/C D/C D/C S/C S	0 447 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44 111 66 0	0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 WR-NR	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 22.4 0 0.5 0.1 1.1 0.4 0.0 46.0 0.0 0.0 0.0 0.0 0.	0.0 0.0 0.0 0.0 0.0 42.4 42.3 20.5 29.3 0.0 28.2 3.1 0.0 0 0.4 1.5 0.0 0.1 0.0 1.5 0.0 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3 0.0 -144.5 -21.9 0.0 -23.3 -34.6 2.0 0.0
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/E 52 53 54 55 56 57 58	Export of HVDC Export of HVDC 765 kV 400 kV 132kV 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-WANGAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHARDAWATI 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	0 447 0 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44 111 66 0 0	0 NER-NER 0 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 333 0 WR-NR 1006 0 2059 2339 240 0 0 0	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 11.6 0.0 0.0 22.4 0 0.5 0.1 1.1 0.4 0.0 46.0 0.0 0.0 0.0 0.0 0.	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3 0.0 -144.5 -21.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/E 52 53 54 55 56 57 58	Export of HVDC Export of HVDC 765 kV 400 kV 132kV 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-WANGAK MEHGAON-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	0 447 0 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44 111 66 0 0	ER-NER 0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 WR-NR	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 0.0 11.6 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3 0.0 -144.5 -21.9 0.0 0.0 0.0 1.7
mport/E 33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/E 52 53 54 55 56 57 58	Export of HVDC Export of HVDC 765 kV 400 kV 132kV 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-WANGAK MEHGAON-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	0 447 0 0 0 0 0 0 0 798 0 482 219 288 981 0 30 44 111 66 0 0	ER-NER 0 NER-NR 1603 102 1924 2665 1560 911 0 1430 963 126 358 0 119 80 110 0 WR-NR	1.6 10.3 10.3 10.3 0.0 9.1 0.0 0.0 0.0 0.0 11.6 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.6 10.3 10.3 10.3 -21.0 9.1 -42.4 -42.3 -20.5 -29.3 11.6 -28.2 -3.1 0.9 -1.5 22.4 0 0.0 -1.1 1.1 0.3 0.0 -144.5 -21.9 0.0 0.0 0.0 1.7