

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: 23rd May 2019

To,

- 1. कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता 700033 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 2. कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
- 3. कार्यकारी निदेशक, प .क्षे .भा .प्रे .के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई -400093 Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- 4. मुख्य महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 22.05.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-मई-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 22nd May 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day **Date of Reporting** 23-May-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	53794	51115	43385	21222	2619	172135
Peak Shortage (MW)	892	0	0	0	79	971
Energy Met (MU)	1219	1254	1054	478	47	4051
Hydro Gen (MU)	271	54	65	70	17	477
Wind Gen (MU)	14	88	42			144
Solar Gen (MU)*	26.19	26.86	84.75	1.06	0.02	139
Energy Shortage (MU)	11.6	0.0	0.0	0.0	2.4	13.9
Maximum Demand Met during the day	56324	57996	47477	22652	2661	180189
(MW) & time (from NLDC SCADA)	23:28	14:45	14:52	00:00	18:53	14:59

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	0.033	0.00	0.00	5.31	5.31	77.40	17.29

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	7919	0	169.5	80.3	-1.3	43	0.0
	Haryana	8037	0	171.5	118.9	0.1	187	0.0
	Rajasthan	10756	0	233.6	82.6	1.8	446	0.0
	Delhi	5527	0	114.0	97.0	-0.2	266	0.1
NR	UP	22057	430	428.3	188.4	1.0	724	0.0
	Uttarakhand	2097	0	35.8	21.4	0.6	112	0.0
	HP	1444	0	13.1	5.2	1.6	222	0.2
	J&K	2210	552	48.1	25.7	2.2	342	11.3
	Chandigarh	284	0	5.5	6.2	-0.7	0	0.0
	Chhattisgarh	3914	0	88.9	38.6	-3.2	292	0.0
	Gujarat	17283	0	384.3	82.1	5.2	641	0.0
	MP	9761	0	225.1	110.3	0.0	619	0.0
MAID	Maharashtra	23139	0	513.9	122.7	-2.7	424	0.0
WR	Goa	541	0	12.4	11.5	0.3	170	0.0
	DD	337	0	7.5	7.1	0.5	47	0.0
	DNH	774	0	18.0	18.5	-0.5	44	0.0
	Essar steel	224	0	3.9	3.4	0.4	285	0.0
	Andhra Pradesh	9688	0	202.5	64.2	0.7	542	0.0
	Telangana	8130	0	171.3	47.2	0.4	403	0.0
SR	Karnataka	11353	0	219.4	65.9	1.2	738	0.0
3K	Kerala	4189	0	87.7	61.3	1.6	344	0.0
	Tamil Nadu	15916	0	364.0	194.1	0.8	578	0.0
	Pondy	429	0	8.8	9.1	-0.2	49	0.0
	Bihar	5187	0	105.8	100.1	1.6	500	0.0
	DVC	3183	0	69.8	-54.2	-0.1	320	0.0
ER	Jharkhand	1107	0	27.5	19.0	-0.8	200	0.0
EK	Odisha	4376	0	81.5	27.2	-1.0	500	0.0
	West Bengal	9441	0	192.0	67.1	-0.7	356	0.0
	Sikkim	80	0	1.0	1.2	-0.2	20	0.0
	Arunachal Pradesh	121	1	2.2	2.6	-0.4	61	0.0
	Assam	1668	21	27.1	22.6	1.1	147	2.0
	Manipur	174	2	2.6	2.4	0.3	18	0.0
NER	Meghalaya	299	12	5.2	2.9	0.1	41	0.4
	Mizoram	96	2	1.9	1.4	0.5	19	0.0
	Nagaland	125	1	2.3	2.2	0.1	18	0.0
	Tripura	289	7	5.2	5.1	0.1	67	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.0	-9.8	-26.7
Day neak (MW)	570.1	-519.6	-1133.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	221.8	-258.4	94.4	-49.8	-7.7	0.4
Actual(MU)	228.1	-271.3	101.6	-54.9	-9.1	-5.5
O/D/U/D(MU)	6.3	-12.9	7.2	-5.1	-1.4	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4376	13765	6012	1620	35	25808
State Sector	9430	12218	3770	3195	50	28663
Total	13806	25983	9782	4815	85	54470

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	600	1266	617	505	15	3003
Lignite	21	13	52	0	0	86
Hydro	271	54	65	70	17	477
Nuclear	27	31	57	0	0	114
Gas, Naptha & Diesel	35	56	15	0	29	136
RES (Wind, Solar, Biomass & Others)	52	121	158	1	0	332
Total	1006	1542	963	575	62	4148

Share of RES in total generation (%)	5.20	7.85	16.36	0.19	0.03	8.01
Share of Non-fossil fuel (Hydro, Nuclear	34.82	13.39	28.99	12.28	27.26	22.26
and RES) in total generation (%)	34.02	13.37	20.77	12.20	27.20	22.20

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

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

1		INT	ER-REGI	ONAL EXCH	ANGES	Date of 1	Reporting :	23-May-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	Export of	ER (With NR)	D/C	122	100	0.0	0.0	0.0
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	D/C S/C	133	180 118	0.0	0.8	-0.8 -1.3
3	70011	GAYA-BALIA	S/C	0	221	0.0	3.7	-3.7
4	HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	12.1	-12.1
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
7	1	PUSAULI-VARANASI PUSAULI -ALLAHABAD	S/C S/C	21	82 25	0.0	0.0	-1.4 0.2
8	1	MUZAFFARPUR-GORAKHPUR	D/C	0	938	0.2	10.3	-10.3
9	400 kV	PATNA-BALIA	Q/C	0	673	0.0	12.3	-12.3
10	1	BIHARSHARIFF-BALIA	D/C	0	413	0.0	6.7	-6.7
11]	MOTIHARI-GORAKHPUR	D/C	0	329	0.0	6.1	-6.1
12		BIHARSHARIFF-VARANASI	D/C	59	214	0.0	1.8	-1.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	226	0.0	4.1	-4.1
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 S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	ER-NR	0.0 0.8	0.0 61.7	0.0 -61.0
Import/F	Export of	ER (With WR)			ER-NK	0.0	01./	-01.0
18		JHARSUGUDA-DHARAMJAIGARH	Q/C	1686	0	25.9	0.0	25.9
	765 kV		`					
19	1	NEW RANCHI-DHARAMJAIGARH JHARSUGUDA-DURG	D/C D/C	852 153	30	13.3 1.5	0.0	13.3
21	400 1	JHARSUGUDA-RAIGARH	Q/C	399	13	3.2	0.0	3.2
22	400 kV	RANCHI-SIPAT	D/C	266	0	4.9	0.0	4.9
23	220 kV	BUDHIPADAR-RAIGARH	S/C	32	79	0.0	0.7	-0.7
24	220 111	BUDHIPADAR-KORBA	D/C	182	0	2.7	0.0	2.7
		TR CITY OR			ER-WR	51.4	0.7	50.7
		ER (With SR)	1 5/0	0.0	1627.0	0.0	20.2	20.2
25 26	765 kV	ANGUL-SRIKAKULAM JEYPORE-GAZUWAKA B/B	D/C D/C	0.0	1627.0 518.0	0.0	28.3 12.0	-28.3 -12.0
27	HVDC LINK	TALCHER-KOLAR BIPOLE	D/C D/C	0.0	2455.0	0.0	43.2	-43.2
28	400 kV	TALCHER-I/C	D/C	391.0	1001.0	0.0	5.0	-5.0
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
			-		ER-SR	0.0	83.6	-83.6
Import/E	Export of	ER (With NER)						
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	289	0.0	3.2	-3
31		ALIPURDUAR-BONGAIGAON	D/C	310	19	3.5	0.0	3
32		AT IDITID DATE D. C. L. L. L. C. C.			4.5		0.1	0
	220 kV	ALIPURDUAR-SALAKATI	D/C	26	45	0.0	0.1	0
			D/C	26	45 ER-NER	3.5	0.1 3.4	0 0.1
Import/F	Export of	NER (With NR)	D/C		ER-NER	3.5	3.4	0.1
	Export of		D/C	0			_	
Import/E	Export of HVDC	NER (With NR)	D/C		ER-NER	0.0	9.7	0.1 -9.7
Import/E	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA	D/C - D/C		ER-NER	0.0	9.7	0.1 -9.7
Import/E	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR)	-	0	ER-NER 404 NER-NR	0.0 0.0	9.7 9.7	-9.7 -9.7
Import/F 33 Import/F 34 35 36	Export of HVDC Export of	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG	D/C D/C D/C	0 0 257 0	404 NER-NR 1001 3 1638	0.0 0.0 0.0 5.8 0.0	9.7 9.7 9.7 24.1 0.0 38.1	-9.7 -9.7 -9.7 -24.1 5.8 -38.1
Import/E 33 Import/E 34 35 36 37	Export of HVDC Export of	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA	D/C D/C D/C D/C	0 0 257 0	404 NER-NR 1001 3 1638 2073	0.0 0.0 0.0 5.8 0.0 0.0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4	-9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4
Import/F 33 Import/F 34 35 36 37 38	Export of HVDC Export of	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	0 0 257 0 0	404 NER-NR 1001 3 1638 2073 1294	0.0 0.0 0.0 5.8 0.0 0.0 0.0	3.4 9.7 9.7 24.1 0.0 38.1 39.4 23.7	-9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7
Import/F 33 Import/F 34 35 36 37 38 39	Export of HVDC Export of	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	0 257 0 0 0	### Table 1001 ### Ta	0.0 0.0 0.0 5.8 0.0 0.0 0.0 0.0	3.4 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5	-9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5
Import/F 33 Import/F 34 35 36 37 38 39 40	Export of HVDC HVDC	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 S/C	0 257 0 0 0 0 0 425	### ER-NER 404	0.0 0.0 5.8 0.0 0.0 0.0 0.0 0.0 7.8	3.4 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0	-9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8
Import/E 33 Import/E 34 35 36 37 38 39 40 41	Export of HVDC HVDC	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/C	0 257 0 0 0 0 0 425	### ER-NER 404 NER-NR 1001 3 1638 2073 1294 739 0 1328	3.5 0.0 0.0 5.8 0.0 0.0 0.0 0.0 7.8 0.0	9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5	-9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5
Import/E 33 Import/E 34 35 36 37 38 39 40	Export of HVDC HVDC	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 S/C	0 257 0 0 0 0 0 425	### ER-NER 404	0.0 0.0 5.8 0.0 0.0 0.0 0.0 0.0 7.8	3.4 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0	-9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42	Export of HVDC Export of HVDC - 765 kV	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 S/C S/C D/C	0 0 257 0 0 0 0 0 425 0	### ER-NER 404	3.5 0.0 0.0 5.8 0.0 0.0 0.0 0.0 7.8 0.0 0.0	9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7	-9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43	Export of HVDC HVDC	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 S/C S/C S/C S/C S/C	0 0 257 0 0 0 0 425 0 0	### ER-NER 404	3.5 0.0 0.0 5.8 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.0	9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7	-9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44	Export of HVDC Export of HVDC - 765 kV	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	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 0 257 0 0 0 0 425 0 0 87 244	### ER-NER 404	3.5 0.0 0.0 5.8 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.0 7.8	3.4 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0	-9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45	Export of HVDC Export of HVDC - 765 kV	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 S/C S/C S/C S/C S/C S/C S/C	0 257 0 0 0 0 425 0 0 0 87 244 968	### ER-NER 404	3.5 0.0 0.0 5.8 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.0 0.0 1.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 20.5 4.7 0.0 0.0	-9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8
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 - 400 kV	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-KOTA BHANPURA-MORAK	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 0 257 0 0 0 0 425 0 0 87 244 968 0 31	### ER-NER 404	3.5 0.0 0.0 5.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 0.0 1.0 1.8	-9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8
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	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-KOTA 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 0 257 0 0 0 0 425 0 0 87 244 968 0 31 0 44	### ER-NER 404	3.5 0.0 0.0 5.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 0.0 1.0 1.8 0.0	-9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5
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	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-KOTA 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	0 257 0 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14	### ER-NER 404	3.5 0.0 0.0 5.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 0.0 1.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.1 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2
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 - 400 kV	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-KOTA 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 0 257 0 0 0 0 425 0 0 87 244 968 0 31 0 44	### ER-NER 404	3.5 0.0 0.0 5.8 0.0 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 0.0 1.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.1 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2 0.0
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	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-KOTA 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/C S/C S/C S/C S/C S/C S/C S/C S	0 257 0 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14	### ER-NER 404	3.5 0.0 0.0 5.8 0.0 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 0.0 1.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.1 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2
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 132kV Export of	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-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR)	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 0 257 0 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14	### ER-NER 404	3.5 0.0 0.0 0.0 5.8 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 0.0 0.0 1.0 0.0 1.8 0.0 0.2 0.0 193.5	0.1 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2 0.0 -153.6
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	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of	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-KOTA 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 257 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14 0	### ER-NER 404	3.5 0.0 0.0 5.8 0.0 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 0.0 1.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.1 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2 0.0 -153.6
Import/F 33 Import/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/F	Export of HVDC Export of HVDC 765 kV 400 kV 220 kV 132kV Export of HVDC LINK	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-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR)	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 0 257 0 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14	### ER-NER 404	3.5 0.0 0.0 5.8 0.0 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 0.0 0.0 2 1.0 1.8 0.0 0.2 0.0 193.5	0.1 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2 0.0 -153.6
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 132kV Export of HVDC	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-KOTA 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 0 257 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14 0	### ER-NER 404	3.5 0.0 0.0 0.0 5.8 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0	0.1 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2 0.0 -153.6
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 Export of HVDC LINK	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) BHARBARAWATI 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 0 257 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14 0	### ER-NER 404	3.5 0.0 0.0 0.0 5.8 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 0.0 2 1.0 1.8 0.0 0.2 0.0 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.1 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2 0.0 -153.6
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 400 kV 132kV Export of HVDC LINK 765 kV	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-KOTA 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 257 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14 0	### ER-NER 404	3.5 0.0 0.0 5.8 0.0 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 2 1.0 1.8 0.0 0.2 0.0 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.1 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2 0.0 -153.6
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 132kV Export of HVDC LINK 765 kV	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-KOTA BHANPURA-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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 257 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14 0	### ER-NER 404	3.5 0.0 0.0 0.0 5.8 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 1.8 0.0 0.2 1.0 1.8 0.0 22 1.0 1.9 24.5 19.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.1 -9.7 -9.7 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2 0.0 -153.6 -23.8 0.0 -24.5 -19.2 9.5 0.0 0.0
Import/E 33 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	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	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-SHUALPUR BHANPURA-KOTA BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BBARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD 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 S	0 0 257 0 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14 0 0 0 86 32 684 0	### ER-NER 404	3.5 0.0 0.0 0.0 5.8 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 1.8 0.0 0.2 1.0 1.8 0.0 22 1.0 1.9 23.8 0.0 24.5 19.2 0.0 0.0	0.1 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2 0.0 -153.6 -23.8 0.0 -24.5 -19.2 -9.5 0.0
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 132kV Export of HVDC LINK 765 kV	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-KOTA BHANPURA-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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 257 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14 0	### ER-NER 404	3.5 0.0 0.0 0.0 5.8 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 1.8 0.0 0.2 1.0 1.8 0.0 22 1.0 1.9 24.5 19.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.1 -9.7 -9.7 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2 0.0 -153.6 -23.8 0.0 -24.5 -19.2 9.5 0.0 0.0
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 132kV Export of HVDC LINK 765 kV	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-SHUALPUR BHANPURA-KOTA BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BBASUR-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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 257 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14 0	## ER-NER 404	3.5 0.0 0.0 0.0 5.8 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 1.8 0.0 0.2 1.0 1.8 0.0 22 1.0 1.9 24.5 19.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.1 -9.7 -9.7 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2 0.0 -153.6 -23.8 0.0 -24.5 -19.2 9.5 0.0 0.0 1.1
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 59	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	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-KOTA BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHARDAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD 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 S/C S	0 257 0 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14 0	## ER-NER 404	3.5 0.0 0.0 0.0 5.8 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 1.8 0.0 0.2 1.0 1.8 0.0 22 1.0 1.9 24.5 19.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.1 -9.7 -9.7 -9.7 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2 0.0 -153.6 -23.8 0.0 -24.5 -19.2 9.5 0.0 0.0 1.1 -56.8
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 59	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	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-KOTA BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	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	0 257 0 0 0 0 0 425 0 0 87 244 968 0 31 0 44 14 0	## ER-NER 404	3.5 0.0 0.0 0.0 5.8 0.0 0.0 0.0 0	3.4 9.7 9.7 9.7 24.1 0.0 38.1 39.4 23.7 29.5 0.0 29.5 4.7 0.0 0.0 1.8 0.0 0.2 1.0 1.8 0.0 22 1.0 1.9 24.5 19.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.1 -9.7 -9.7 -9.7 -9.7 -24.1 5.8 -38.1 -39.4 -23.7 -29.5 7.8 -29.5 4.7 0.7 0.8 14.8 -2 -0.9 -1.8 0.5 -0.2 0.0 -153.6 -23.8 0.0 -24.5 -19.2 9.5 0.0 0.0 1.1