

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: 09th Apr 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., २९ , रेस कोर्स क्रॉस रोड, बंगलुरु –५६०००९ Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 08.04.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-अप्रैल-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध है ।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 8th April 2019, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day Date of Reporting 9-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46336	50742	44644	18850	2230	162802
Peak Shortage (MW)	594	0	0	0	199	793
Energy Met (MU)	940	1219	1074	388	39	3660
Hydro Gen (MU)	199	29	71	43	4	346
Wind Gen (MU)	12	66	39			118
Solar Gen (MU)*	27.75	25.97	78.47	0.94	0.03	133
Energy Shortage (MU)	10.1	0.6	0.0	0.0	3.5	14.1
Maximum Demand Met during the day	45865	54093	45959	19483	2303	162849
(MW) & time (from NLDC SCADA)	19:32	15:50	14:55	19:35	18:43	19:29

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	0.032	0.00	0.00	5.31	5.31	79.34	15.35

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	5591	0	119.0	46.8	-1.0	79	0.0
	Haryana	6388	143	116.7	90.2	0.6	176	0.4
	Rajasthan	9395	0	197.5	51.3	-2.0	196	0.0
NR	Delhi	4119	0	85.6	70.1	-0.9	87	0.0
NR	UP	16968	0	316.2	140.0	0.9	787	0.0
	Uttarakhand	1673	0	34.6	12.8	-0.9	80	0.0
	HP	1313	0	25.4	8.2	0.9	138	0.0
	J&K	1931	483	41.3	31.8	-2.4	229	9.7
	Chandigarh	182	0	3.7	4.3	-0.6	13	0.0
	Chhattisgarh	4499	0	102.8	47.8	-1.8	443	0.3
	Gujarat	16877	0	378.0	111.8	3.1	583	0.0
	MP	9134	0	197.6	81.7	0.3	628	0.0
WR	Maharashtra	22436	0	497.4	141.7	-0.8	739	0.0
WK	Goa	479	0	12.0	10.7	0.8	55	0.3
	DD	330	0	7.5	7.0	0.5	54	0.0
	DNH	808	0	18.7	18.4	0.3	138	0.0
	Essar steel	263	0	5.3	5.8	-0.5	170	0.0
	Andhra Pradesh	8760	0	191.4	57.0	0.1	465	0.0
	Telangana	9172	0	204.0	77.2	-1.5	363	0.0
SR	Karnataka	12412	0	235.1	77.6	-0.5	488	0.0
3N	Kerala	4117	0	85.7	62.4	1.2	199	0.0
	Tamil Nadu	15401	0	349.6	190.9	-0.7	443	0.0
	Pondy	417	0	8.6	8.7	-0.1	40	0.0
	Bihar	4601	0	79.5	73.2	1.1	150	0.0
	DVC	3028	0	63.8	-48.2	-0.5	250	0.0
ER	Jharkhand	940	0	18.7	12.8	0.1	100	0.0
EN	Odisha	4159	0	85.9	27.7	0.7	300	0.0
	West Bengal	7742	0	138.4	46.5	-0.8	100	0.0
	Sikkim	100	0	1.3	1.6	-0.3	20	0.0
	Arunachal Pradesh	102	4	2.0	2.1	0.0	29	0.0
	Assam	1302	50	21.3	17.5	0.0	121	2.9
	Manipur	160	6	2.6	2.2	0.4	26	0.0
NER	Meghalaya	338	0	5.9	4.6	0.2	42	0.3
	Mizoram	95	3	1.7	1.3	0.1	22	0.0
	Nagaland	138	3	2.0	1.9	0.1	16	0.0
	Tripura	212	12	3.2	2.4	-0.2	91	0.2

 $\textbf{D. Transnational Exchanges} \ \ (\textbf{MU}) \textbf{-Import} (+\textbf{ve}) / \textbf{Export} (-\textbf{ve})$

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.5	-7.8	-22.6
Day peak (MW)	376.8	-462.0	-1072.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	158.5	-250.4	147.5	-61.3	5.5	-0.1
Actual(MU)	141.4	-246.1	160.9	-60.8	6.0	1.4
O/D/U/D(MU)	-17.1	4.3	13.4	0.5	0.5	1.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5965	13091	5372	1100	461	25989
State Sector	11305	12453	3720	2765	50	30293
Total	17270	25544	9092	3865	511	56282

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	464	1343	600	452	10	2868
Lignite	21	16	50	0	0	87
Hydro	199	29	71	43	4	346
Nuclear	23	31	34	0	0	87
Gas, Naptha & Diesel	30	55	17	0	23	125
RES (Wind, Solar, Biomass & Others)	74	100	155	1	0	330
Total	811	1574	927	496	36	3844
Share of RES in total generation (%)	0.12	6.37	16.74	0.20	0.08	8 50

Share of RES in total generation (%)	9.12	6.37	16.74	0.20	0.08	8.59
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.47	10.17	28.08	8.93	10.26	19.88

H. Diversity Factor
All India Demand Diversity Factor
1.030
Diversity factor = Sum of regional maximum demands / All India maximum demand

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

		INT	ER-REGI	ONAL EXCH	ANGES	Date of 1	Reporting :	9-Apr-19
								Import=(+ve) /Export =(-ve) for NET (MU)
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/E		ER (With NR)						
1	7651-37	GAYA-VARANASI	D/C	0	530	0.0	4.7	-4.7
3	765kV	SASARAM-FATEHPUR GAYA-BALIA	S/C S/C	0	291 299	0.0	3.4 4.1	-3.4 -4.1
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	0	50	0.0	1.2	-1.2
6		PUSAULI-VARANASI	S/C	0	60	0.0	0.9	-0.9
7		PUSAULI -ALLAHABAD	S/C	1	34	0.0	0.2	-0.2
9	400 1-37	MUZAFFARPUR-GORAKHPUR	D/C	0	776	0.0	9.1	-9.1
10	400 kV	PATNA-BALIA	Q/C D/C	0	808 295	0.0	10.1	-10.1 -4.5
11		BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	D/C D/C	0	286	0.0	4.9	-4.9
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	172	0.0	3.2	-3.2
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	132 KV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0
		TO ANIA TIPE			ER-NR	0.6	46.3	-45.8
Import/E	xport of	ER (With WR)	1 1		1			
18		JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1670	0	31.5	0.0	31.5
19	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	479	160	3.2	0.0	3.2
20		JHARSUGUDA-DURG	D/C	148	39	0.4	0.0	0.4
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	174	189	0.0	1.8	-1.8
22	1	RANCHI-SIPAT	D/C S/C	0	43 116	0.0	0.0	1.2 -1.8
24	220 kV	BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA	D/C	176	0	3.3	0.0	3.3
24		BUDHIFADAR-KUKBA	D/C	170	ER-WR	39.6	3.6	35.9
Import/E	export of	ER (With SR)			224 1114	33.0	5.0	33.5
25	_	ANGUL-SRIKAKULAM	D/C	0.0	2070.0	0.0	41.6	-41.6
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	642.0	0.0	14.9	-14.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2455.0	0.0	49.4	-49.4
28	400 kV	TALCHER-I/C	D/C	0.0	643.0	0.0	5.2	-5.2
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	0.0	105.9	-105.9
	Export of	ER (With NER)						
30	400 kV	BINAGURI-BONGAIGAON	D/C	273	0	3.5	0.0	4
31		ALIPURDUAR-BONGAIGAON	D/C	408	0	5.4	0.0	5
		ALIDEDDILAD CALAZATI	D/C		0	0.7	0.0	1
34	220 kV	ALIPURDUAR-SALAKATI	D/C	68	0 ER-NER	0.7 9.6	0.0	9.6
		ALIPURDUAR-SALAKATI NER (With NR)	D/C	68	0 ER-NER	0.7 9.6	0.0	9.6
		•	D/C	662				+
Import/E	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA	D/C -		ER-NER	9.6	0.0	9.6
Import/E 33	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR)	- 1	662	ER-NER 0 NER-NR	9.6 15.8 15.8	0.0 0.0 0.0	9.6 15.8 15.8
Import/E 33 Import/E 34	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	- D/C	662	0 NER-NR	9.6 15.8 15.8	0.0 0.0 0.0	9.6 15.8 15.8 -12.8
Import/E 33 Import/E 34 35	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B	D/C D/C	0 243	0 NER-NR 555 0	9.6 15.8 15.8 0.0 6.0	0.0 0.0 0.0 12.8 0.0	9.6 15.8 15.8 -12.8 6.0
33 Import/E 34 35 36	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG	D/C D/C D/C	0 243 0	0 NER-NR 555 0 1077	9.6 15.8 15.8 0.0 6.0 0.0	0.0 0.0 0.0 12.8 0.0 26.7	9.6 15.8 15.8 -12.8 6.0 -26.7
Import/E 33 Import/E 34 35 36 37	Export of HVDC	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	0 243 0 0	0 NER-NR 555 0 1077 2242	9.6 15.8 15.8 0.0 6.0 0.0	0.0 0.0 0.0 12.8 0.0 26.7 41.2	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2
Import/E 33 Import/E 34 35 36 37 38	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR	D/C D/C D/C D/C D/C D/C	0 243 0 0 0	0 NER-NR 555 0 1077 2242 992	9.6 15.8 15.8 0.0 6.0 0.0 0.0	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8
Import/E 33 Import/E 34 35 36 37 38 39	Export of HVDC	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	0 243 0 0 0	ER-NER 0 NER-NR 555 0 1077 2242 992 741	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8
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 D/C S/C	0 243 0 0 0 0 0 511	ER-NER 0 NER-NR 555 0 1077 2242 992 741 0	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 8.9	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8	9.6 15.8 15.8 -12.8 -6.0 -26.7 -41.2 -16.8 -22.8 8.9
Import/E 33 Import/E 34 35 36 37 38 39	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	D/C D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0	ER-NER 0 NER-NR 555 0 1077 2242 992 741	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8
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	0 243 0 0 0 0 0 511	ER-NER 0 NER-NR 555 0 1077 2242 992 741 0 1328	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2	9.6 15.8 15.8 -12.8 -6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2
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 CHITORGARH-BANASKANTHA	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C D/C	0 243 0 0 0 0 0 0 511 0	555 0 1077 2242 992 741 0 1328	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9
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 VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI	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	0 243 0 0 0 0 0 511 0 0	555 0 1077 2242 992 741 0 1328 0 38	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4
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 VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C	0 243 0 0 0 0 0 511 0 0 0	ER-NER 0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0
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 VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL VCHAL - 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 S/C	0 243 0 0 0 0 0 511 0 0 190 134	ER-NER 0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124 0	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0
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 VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR	D/C 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	0 243 0 0 0 0 0 511 0 0 190 134 970	ER-NER 0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124 0 336	9.6 15.8 15.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -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	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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA	D/C D/C D/C D/C D/C D/C 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	0 243 0 0 0 0 511 0 0 190 134 970 17 42 20	O NER-NR	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 2.4 0.0 22.0 0 0.4 0.1 0.6	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -2 0.0 -0.8 0.6
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 VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C	0 243 0 0 0 0 511 0 0 190 134 970 17 42 20 44	ER-NER 0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124 0 336 28 72 14 36	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 0.0 2.4 0.0 22.0 0 0.4 0.1 0.6 0.1	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -2 0.0 -0.8 0.6 -0.1
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 V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA	D/C D/C D/C D/C D/C D/C 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	0 243 0 0 0 0 511 0 0 190 134 970 17 42 20	0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124 0 336 28 72 14 36 0	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 0.0 2.4 0.0 22.0 0 0.4 0.1 0.6 0.1	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -2 0.0 -0.8 0.6 -0.1 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 VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL VCHAL - RIHAND RAPP-SHUALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C	0 243 0 0 0 0 511 0 0 190 134 970 17 42 20 44	ER-NER 0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124 0 336 28 72 14 36	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 0.0 2.4 0.0 22.0 0 0.4 0.1 0.6 0.1	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -2 0.0 -0.8 0.6 -0.1
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	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 ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR)	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 243 0 0 0 0 0 511 0 0 190 134 970 17 42 20 44 18	0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124 0 336 28 72 14 36 0 WR-NR	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 0.0 2.4 0.0 22.0 0 0.4 0.1 0.6 0.1 0.0 41.2	0.0 0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -2 0.0 -0.8 0.6 -0.1 0.0 -109.2
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 - 220 kV - 132kV Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADDD-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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 243 0 0 0 0 0 511 0 0 190 134 970 17 42 20 44 18 0	0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124 0 336 28 72 14 36 0 WR-NR	9.6 15.8 15.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 10.0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -2 0.0 -0.8 0.6 -0.1 0.0 -109.2
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 52 53	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of	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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU	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	0 243 0 0 0 0 0 511 0 0 190 134 970 17 42 20 44 18 0	0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124 0 336 28 72 14 36 0 WR-NR	9.6 15.8 15.8 0.0 0.0 0.0 0.0 0.0 0.0 2.0 0.0 0.1 0.0 41.2	0.0 0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 1.0 1	9.6 15.8 15.8 -12.8 -0.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -2 0.0 -0.8 0.6 -0.1 0.0 -109.2
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 52 53 54	Export of HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALUR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MOTA BADOD-MOTA 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	0 243 0 0 0 0 0 511 0 0 190 134 970 17 42 20 44 18 0	0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124 0 336 28 72 14 36 0 WR-NR	9.6 15.8 15.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 150.4	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -2 0.0 -0.8 0.6 -0.1 0.0 -109.2
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 52 53 54 55	Export of HVDC Export of HVDC 765 kV 400 kV 220 kV 132kV Export of HVDC 1765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALUR-ORAI GWATIOR-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-KANGLI ZHAHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C	0 243 0 0 0 0 0 511 0 0 0 190 134 970 17 42 20 44 18 0	0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124 0 336 28 72 14 36 0 WR-NR	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 150.4 11.5 0.0 47.2 50.0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -2 0.0 -0.8 0.6 -0.1 0.0 -109.2 -11.5 0.0 -47.2 -50.0
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	Export of HVDC Export of HVDC 765 kV 400 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 JABALUR-ORAI GWALIOR-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	D/C D/C D/C D/C D/C D/C D/C D/C S/C D/C D/C	0 243 0 0 0 0 0 511 0 0 190 134 970 17 42 20 44 18 0	0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124 0 336 28 72 14 36 0 WR-NR 491 0 2438 2415 0	9.6 15.8 15.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 150.4 11.5 0.0 47.2 50.0 0.0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -2 0.0 -0.8 0.6 -0.1 0.0 -109.2
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 52 53 54 55	Export of HVDC Export of HVDC 765 kV 400 kV 220 kV 132kV Export of HVDC 1765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALUR-ORAI GWATIOR-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-KANGLI ZHAHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C	0 243 0 0 0 0 0 0 511 0 0 190 134 970 17 42 20 44 18 0	ER-NER 0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124 0 336 28 72 14 36 0 WR-NR	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 8.9 0.0 2.4 0.0 22.0 0 0.4 0.1 0.6 0.1 0.0 41.2	0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 150.4 11.5 0.0 47.2 50.0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -2 0.0 -0.8 0.6 -0.1 0.0 -109.2 -11.5 0.0 -47.2 -50.0 7.6
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 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 V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GATIOR-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND RAPP-SHUALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	D/C D/C D/C D/C D/C S/C D/C D/C	0 243 0 0 0 0 0 0 511 0 0 190 134 970 17 42 20 44 18 0	0 NER-NR 555 0 1077 2242 992 741 0 1328 0 38 124 0 336 28 72 14 36 0 WR-NR 491 0 0 2438 2415 0 0	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 8.9 0.0 0.9 2.4 0.0 22.0 0 0.4 0.1 0.6 0.1 0.0 41.2	0.0 0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -2 0.0 -0.8 0.6 -0.1 0.0 -109.2 -11.5 0.0 -47.2 -50.0 7.6 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND RAPP-SHUALPUR BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C	0 243 0 0 0 0 0 511 0 0 190 134 970 17 42 20 44 18 0	0 NER-NR 555 0 1077 2242 992 741 0 1328 0 338 124 0 336 28 72 14 36 0 WR-NR 491 0 2438 2415 0 0 0	9.6 15.8 15.8 0.0 6.0 0.0 0.0 0.0 0.0 0.0 2.4 0.0 22.0 0 0.4 0.1 0.6 0.1 0.0 41.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 150.4 11.5 0.0 47.2 50.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	9.6 15.8 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.0 22.0 -2 0.0 -0.8 0.6 -0.1 0.0 -109.2 -11.5 0.0 -47.2 -50.0 7.6 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 V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI CHITORGARH-BANASKANTHA ZERDA-BHINMAL V'CHAL-RIHAND RAPP-SHUALPUR BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDAMPA-MURAMBEWADI XELDAMPA-MURAMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C	0 243 0 0 0 0 0 511 0 0 190 134 970 17 42 20 44 18 0	0 NER-NR 555 0 1077 2242 992 741 0 1328 0 338 124 0 336 28 72 14 36 0 WR-NR 491 0 2438 2415 0 0 0 58 WR-SR	9.6 15.8 15.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 150.4 11.5 0.0 47.2 50.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	9.6 15.8 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.0 22.0 -2 0.0 -0.8 0.6 -0.1 0.0 -109.2 -11.5 0.0 -47.2 -50.0 7.6 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 V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD 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	0 243 0 0 0 0 0 511 0 0 190 134 970 17 42 20 44 18 0	0 NER-NR 555 0 1077 2242 992 741 0 1328 0 338 124 0 336 28 72 14 36 0 WR-NR 491 0 2438 2415 0 0 0 58 WR-SR	9.6 15.8 15.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 150.4 11.5 0.0 47.2 50.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	9.6 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.9 2.4 0.0 22.0 -2 0.0 -0.8 0.6 -0.1 0.0 -109.2 -11.5 0.0 -47.2 -50.0 7.6 0.0 0.0 1.1 -100.1
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	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 CHITORGARH-BANASKANTHA ZERDA-BHINMAL V'CHAL-RIHAND RAPP-SHUALPUR BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDAMPA-MURAMBEWADI XELDAMPA-MURAMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C	0 243 0 0 0 0 0 511 0 0 190 134 970 17 42 20 44 18 0	0 NER-NR 555 0 1077 2242 992 741 0 1328 0 338 124 0 336 28 72 14 36 0 WR-NR 491 0 2438 2415 0 0 0 58 WR-SR	9.6 15.8 15.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 12.8 0.0 26.7 41.2 16.8 22.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 150.4 11.5 0.0 47.2 50.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	9.6 15.8 15.8 15.8 -12.8 6.0 -26.7 -41.2 -16.8 -22.8 8.9 -27.2 0.0 22.0 -2 0.0 -0.8 0.6 -0.1 0.0 -109.2 -11.5 0.0 -47.2 -50.0 7.6 0.0 0.0 1.1