

# 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: 01st 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., २९ , रेस कोर्स क्रॉस रोड, बंगलुरु –५६०००९ Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

## Sub: Daily PSP Report for the date 30.04.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-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 30<sup>th</sup> April 2019, is available at the NLDC website.

धन्यवाद,

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

Date of Reporting Report for previous day 1-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)	52619	51122	42302	21112	2405	169560
Peak Shortage (MW)	518	0	0	0	190	708
Energy Met (MU)	1160	1267	1007	475	40	3948
Hydro Gen (MU)	265	33	55	80	10	443
Wind Gen (MU)	23	116	124			263
Solar Gen (MU)*	26.81	27.35	74.31	2.03	0.03	131
Energy Shortage (MU)	10.4	0.0	0.0	0.0	4.5	14.9
Maximum Demand Met during the day	55500	56616	45273	22585	2419	174398
(MW) & time (from NLDC SCADA)	22:23	15:37	15:29	00:01	18:30	22:42

B. Frequency Profile (%)
Region
All India FVI <49.7 49.7-49.8 49.8-49.9 <49.9 49.9-50.05 > 50.05 0.040 60.95

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	6656	0	132.5	51.7	0.0	190	0.0
	Haryana	7954	0	154.7	110.0	0.4	259	0.0
NR	Rajasthan	10499	0	231.6	64.8	1.2	362	0.0
	Delhi	5634	0	111.9	97.3	-1.2	97	0.0
	UP	19935	0	410.9	183.2	0.7	748	0.0
	Uttarakhand	1900	0	41.8	18.6	-0.3	120	0.0
	HP	1364	0	27.6	6.0	0.8	140	0.0
	J&K	2212	553	43.9	24.5	-1.0	186	10.4
	Chandigarh	256	0	5.0	5.6	-0.5	-1	0.0
	Chhattisgarh	4562	0	105.9	48.1	-2.0	288	0.0
	Gujarat	17707	0	385.3	116.2	-1.9	606	0.0
	MP	9718	0	219.7	96.9	-1.3	346	0.0
WR	Maharashtra	23150	0	508.9	148.5	0.0	645	0.0
WK	Goa	541	0	13.5	12.4	0.4	99	0.0
	DD	333	0	7.5	7.0	0.4	35	0.0
	DNH	800	0	18.8	18.7	0.1	64	0.0
	Essar steel	394	0	7.2	6.9	0.3	275	0.0
	Andhra Pradesh	9001	0	193.7	63.7	0.3	623	0.0
	Telangana	8410	0	177.3	61.2	0.2	413	0.0
SR	Karnataka	11314	0	214.8	69.0	0.7	489	0.0
3N	Kerala	3930	0	79.5	55.9	1.4	187	0.0
	Tamil Nadu	14672	0	332.7	158.4	-0.7	571	0.0
	Pondy	438	0	9.1	9.2	-0.1	46	0.0
	Bihar	5359	0	105.0	98.5	1.3	50	0.0
	DVC	3205	0	69.1	-51.2	0.7	400	0.0
ER	Jharkhand	1008	0	25.9	16.8	-0.9	50	0.0
LIX	Odisha	4713	0	98.0	35.3	3.3	700	0.0
	West Bengal	8678	0	175.5	54.7	0.3	200	0.0
	Sikkim	95	0	1.2	1.4	-0.3	25	0.0
	Arunachal Pradesh	128	1	2.3	2.6	-0.3	46	0.0
	Assam	1363	107	21.3	16.2	0.7	96	4.0
	Manipur	169	2	2.5	2.2	0.3	25	0.0
NER	Meghalaya	322	0	5.6	4.2	-0.1	37	0.4
	Mizoram	87	1	1.6	1.6	-0.1	19	0.0
	Nagaland	122	2	2,2	2.0	0.2	29	0.0
	Tripura	286	0	4.5	5.0	-0.5	56	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.3	-9.5	-24.3
Day peak (MW)	1079.6	-462.0	-1144.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	195.6	-255.7	121.3	-59.3	-1.8	0.2
Actual(MU)	188.3	-261.1	125.5	-51.9	-4.0	-3.1
O/D/U/D(MU)	-7.3	-5.4	4.2	7.4	-2.3	-3.3

#### F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4872	11129	6852	1600	195	24648
State Sector	7340	12894	6270	2985	50	29539
Total	12212	24023	13122	4585	245	54187

#### G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	567	1271	507	466	12	2824
Lignite	15	12	46	0	0	73
Hydro	265	33	55	80	10	443
Nuclear	28	31	37	0	0	95
Gas, Naptha & Diesel	35	44	16	0	28	123
RES (Wind, Solar, Biomass & Others)	79	151	225	2	0	456
Total	988	1542	885	549	50	4014

Share of RES in total generation (%)	7.95	9.79	25.40	0.38	0.06	11.37
Share of Non-fossil fuel (Hydro, Nuclear and	37.54	13.93	35.75	14.98	20.42	24.78
RES) in total generation (%)	37.34	13.93	33.73	14.70	20.42	24.70

H. Diversity Factor All India Demand Diversity Factor

All India Demand Diversity Factor 1.046

Diversity factor = Sum of regional maximum demands / All India maximum demand

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

		INT	ER-REGI	ONAL EXCHA	ANGES	Date of 1	Reporting :	1-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		ER (With NR)					(0.20)	(,
1	7651-37	GAYA-VARANASI	D/C	156	322	0.0	2.3	-2.3
3	765kV	SASARAM-FATEHPUR GAYA-BALIA	S/C S/C	39 0	401 230	0.0	4.4 2.5	-4.4 -2.5
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	_	PUSAULI-VARANASI	S/C	0	109	0.0	1.5	-1.5
7		PUSAULI -ALLAHABAD	S/C	51 0	26	0.4	0.0	0.4
9	400 kV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	D/C Q/C	0	1065 998	0.0	17.5 17.0	-17.5 -17.0
10	400 K V	BIHARSHARIFF-BALIA	D/C	0	542	0.0	9.0	-9.0
11		MOTIHARI-GORAKHPUR	D/C	0	348	0.0	5.5	-5.5
12	1	BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	237	0.0	3.9	-3.9
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 K	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
T 400		ED (WAL WD)			ER-NR	0.9	64.9	-64.0
	export of	ER (With WR)	1 1				1	
18		JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1969	0	35.8	0.0	35.8
19	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	547	215	5.1	0.0	5.1
20	1	JHARSUGUDA DAIGABH	D/C	179	84	1.1	0.0	1.1
21	400 kV	JHARSUGUDA-RAIGARH RANCHI-SIPAT	Q/C D/C	254 281	114 97	1.3 2.8	0.0	1.3 2.8
23	<u> </u>	BUDHIPADAR-RAIGARH	S/C	0	138	0.0	2.2	-2.2
24	220 kV	BUDHIPADAR-KORBA	D/C	183	0	3.0	0.0	3.0
			1		ER-WR	49.0	2.2	46.8
Import/E	Export of	ER (With SR)					•	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1891.0	0.0	33.6	-33.6
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	669.0	0.0	15.9	-15.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2451.0	0.0	44.3	-44.3
28	400 kV	TALCHER-I/C	D/C	169.0	869.0	0.0	6.1	-6.1
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0 ER-SR	0.0	0.0 93.8	0.0 -93.8
Import/F	Export of	ER (With NER)			ER-SK	0.0	93.8	-93.8
30	Ĺ	BINAGURI-BONGAIGAON	D/C	492	0	8.4	0.0	8
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	602	0	10.4	0.0	10
32	220 kV	ALIPURDUAR-SALAKATI	D/C	103	0	1.4	0.0	1
					ER-NER	20.2	0.0	20.2
		NER (With NR)			1			
Import/E	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA	-	658	0	16.0	0.0	16.0
33	HVDC	BISWANATH CHARIALI-AGRA	-	658	0 NER-NR	16.0 16.0	0.0	16.0 16.0
33	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)	- D/C		NER-NR	16.0	0.0	16.0
33 Import/E 34	HVDC Export of	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA	D/C D/C	0	NER-NR 1510	0.0	35.5	-35.5
33	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR)	D/C D/C D/C		NER-NR	16.0	0.0	16.0
33 Import/E 34 35	HVDC Export of	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL B/B	D/C	0 242	1510 0	0.0 6.1	35.5 0.0	-35.5 6.1
33 Import/E 34 35 36	HVDC Export of	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL B/B  APL -MHG	D/C D/C	0 242 0	NER-NR  1510 0 1169	0.0 6.1 0.0	35.5 0.0 26.5	-35.5 6.1 -26.5
33 Import/E 34 35 36 37	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA	D/C D/C D/C	0 242 0 0	NER-NR  1510 0 1169 2471	0.0 6.1 0.0 0.0	35.5 0.0 26.5 44.1	-35.5 6.1 -26.5 -44.1
33 Import/E 34 35 36 37 38	HVDC Export of	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	0 242 0 0	NER-NR  1510 0 1169 2471 1020	0.0 6.1 0.0 0.0 0.0	35.5 0.0 26.5 44.1 18.2	-35.5 6.1 -26.5 -44.1 -18.2
33 Import/E 34 35 36 37 38 39 40 41	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI	D/C D/C D/C D/C D/C S/C S/C	0 242 0 0 0 0 0 0 555	NER-NR  1510 0 1169 2471 1020 805 0 1388	0.0 6.1 0.0 0.0 0.0 0.0 0.0 10.4	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5
33  Import/E 34 35 36 37 38 39 40 41 42	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-BANASKANTHA	D/C D/C D/C D/C D/C S/C S/C D/C	0 242 0 0 0 0 0 0 555 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588	0.0 6.1 0.0 0.0 0.0 0.0 10.4 0.0	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8
33  Import/E 34 35 36 37 38 39 40 41 42 43	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL-MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-BANASKANTHA  ZERDA-KANKROLI	D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C	0 242 0 0 0 0 0 0 555 0 56 151	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43	0.0 6.1 0.0 0.0 0.0 0.0 0.0 10.4 0.0 0.0	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5
33  Import/E 34 35 36 37 38 39 40 41 42 43 44	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL-MHG  GWALIOR-AGRA  PHAGI-GWALIOR  IABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-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	0 242 0 0 0 0 0 0 555 0 56 151 34	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123	0.0 6.1 0.0 0.0 0.0 0.0 0.0 10.4 0.0 0.0 1.5	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45	HVDC Export of HVDC - 765 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-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	0 242 0 0 0 0 0 555 0 56 151 34	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0	0.0 6.1 0.0 0.0 0.0 0.0 10.4 0.0 0.0 1.5 0.0 21.8	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0 1.1	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45	HVDC Export of HVDC - 765 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA-BHINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR	D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C D/C S/C S/C D/C S/C S/C D/C S/C S/C S/C S/C	0 242 0 0 0 0 555 0 56 151 34 964 62	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280	0.0 6.1 0.0 0.0 0.0 0.0 0.0 10.4 0.0 0.0 1.5 0.0 21.8	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0 1.1 0.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47	HVDC Export of HVDC - 765 kV - 400 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA -BHINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-KOTA	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	0 242 0 0 0 0 555 0 56 151 34 964 62 54	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36	16.0  0.0  6.1  0.0  0.0  0.0  10.4  0.0  0.0  1.5  0.0  21.8  0  0.0	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0 1.1 0.0 1.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45	HVDC Export of HVDC - 765 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA -BHINMAL  V'CHAL -RHAND  RAPP-SHUJALPUR  BHANPURA-KOTA  BHANPURA-MORAK	D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 242 0 0 0 0 555 0 56 151 34 964 62 54	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280	16.0  0.0  6.1  0.0  0.0  0.0  10.4  0.0  0.0  1.5  0.0  21.8  0  0.0  0.0	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0 1.1 0.0 1.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	HVDC Export of HVDC - 765 kV - 400 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA -BHINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-KOTA	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	0 242 0 0 0 0 555 0 56 151 34 964 62 54	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36	16.0  0.0  6.1  0.0  0.0  0.0  10.4  0.0  0.0  1.5  0.0  21.8  0  0.0	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0 1.1 0.0 1.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	HVDC Export of HVDC - 765 kV - 400 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL-MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 242 0 0 0 0 0 555 0 56 151 34 964 62 54 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 1111 3	16.0  0.0  6.1  0.0  0.0  0.0  10.4  0.0  0.0  1.5  0.0  21.8  0  0.0  0.0  0.5	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0 1.1 0.0 1 1.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8  0.5
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-BANASKANTHA  ZERDA-KANKROLI  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	0 242 0 0 0 0 0 555 0 56 151 34 964 62 54 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 1111 3 40	16.0  0.0  6.1  0.0  0.0  0.0  0.0  10.4  0.0  0.0	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0 1.1 0.0 1 1.0 1.8 0.0 0.3	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8  0.5  -0.2
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of	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  BHANPURA-KOTA  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/C S/C S/C S/C S/C S/C S/C S/C S	0 242 0 0 0 0 555 0 56 151 34 964 62 54 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 111 3 40 0 WR-NR	16.0  0.0  6.1  0.0  0.0  0.0  10.4  0.0  0.0  1.5  0.0  21.8  0  0.0  0.0  40.3	0.0 35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0 1.1 0.0 1 1.0 1.8 0.0 1.8 0.0 1.8 0.0 1.1 0.0 1.8 0.0 1.8 0.0 1.8 0.0 1.8 0.0 1.8 0.0 1.8 0.0 0.0 1.8 0.0 0.0 1.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  -1.5  -1.1  21.8  -1  -1.0  -1.8  0.5  -0.2  0.0  -139.2
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA-BHINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR  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	0 242 0 0 0 0 555 0 56 151 34 964 62 54 0 56 22	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 1111 3 40 0 WR-NR	16.0  0.0  6.1  0.0  0.0  0.0  10.4  0.0  0.0  1.5  0.0  21.8  0  0.0  0.5  0.1  0.0  40.3	0.0 35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0 1.1 0.0 1.8 0.0 1.8 0.0 1.8 0.0 1.8 0.0 1.1 1.0 1.8 0.0 1.8 0.0 1.8 0.0 1.8 0.0 1.8 0.0 1.8 0.0 1.8 0.0 0.0 1.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8  0.5  -0.2  0.0  -139.2
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 52 53	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of	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-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-LSILERU	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	0 242 0 0 0 0 0 555 0 56 151 34 964 62 54 0 56 22 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 1111 3 40 WR-NR	16.0  0.0  6.1  0.0  0.0  0.0  10.4  0.0  1.5  0.0  21.8  0  0.0  0.5  0.1  0.0  40.3	0.0  35.5  0.0  26.5  44.1  18.2  25.6  0.0  28.5  3.8  0.0  1.1  0.0  1.8  0.0  1.8  0.0  1.8  0.0  1.8  0.0  1.0  1	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8  0.5  -0.2  0.0  -139.2
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 52 53 54	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC	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  BHANPURA-KOTA  BHANPURA-MORAK  MEHGAON-AURAIYA  MALANPUR-JURAIYA  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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 242 0 0 0 0 0 555 0 56 151 34 964 62 54 0 56 22 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 1111 3 40 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 10.4 0.0 0.0 1.5 0.0 21.8 0 0.0 0.5 0.1 0.0 40.3	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0 1.1 0.0 1 1.0 1.8 0.0 1.1 0.0 1.2 1.8 0.0 1.1 0.0 1.1 0.0 1.1 0.0 0.3 0.0 1.1 0.0 0.3 0.0 0.0 0.0 0.0 0.0 0.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8  0.5  -0.2  0.0  -139.2
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 56 51  Import/E 52 53 54 55	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC LINK - 765 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-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	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	0 242 0 0 0 0 0 555 0 56 151 34 964 62 54 0 56 22 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 1111 3 40 0 WR-NR	0.0 6.1 0.0 0.0 0.0 0.0 0.0 10.4 0.0 0.0 1.5 0.0 21.8 0 0.0 0.5 0.1 0.0 40.3	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0 1.1 0.0 1.8 0.0 1.8 0.0 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8  0.5  -0.2  0.0  -139.2
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 52 53 54 55 56	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC LINK	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-SHUIALPUR  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-KUDGI	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 D/C S/C S/C D/C S/C S/C D/C S/C S/C D/C S/C D/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 242 0 0 0 0 0 555 0 56 151 34 964 62 54 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 1111 3 40 0 WR-NR	0.0 6.1 0.0 0.0 0.0 0.0 0.0 10.4 0.0 0.0 1.5 0.0 21.8 0 0.0 0.0 0.5 0.1 0.0 40.3	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0 1.1 0.0 1 1.0 1.8 0.0 0.3 0.0 187.1 23.8 0.0 187.1 23.8 0.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8  0.5  -0.2  0.0  -139.2  -23.8  0.0  -26.1  -33.4  10.5
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 52 53 54 55 56 57	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC LINK - 765 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA-BHINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-KOTA  BHANPURA-MORAK  MEHGAON-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHARDAWATI B/B  BARSUR-LSILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMBAD  KOLHAPUR-KUDGI  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C D/C S/C S/C S/C D/C S/C S/C S/C S/C D/C S/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 242 0 0 0 0 0 555 0 56 151 34 964 62 54 0 0 0 0 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 1111 3 40 0 WR-NR  999 0 2098 2034 0 0	0.0 6.1 0.0 0.0 0.0 0.0 0.0 10.4 0.0 0.0 1.5 0.0 21.8 0 0.0 0.0 0.5 0.1 0.0 40.3	35.5 0.0 26.5 44.1 18.2 25.6 0.0 28.5 3.8 0.0 1.1 0.0 1.8 0.0 1.8 0.0 1.1 0.0 1.8 0.0 1.1 0.0 1.3 0.0 1.4 0.0 1.5 0.0 1.6 0.0 1.7 1.7 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8  0.5  -0.2  0.0  -139.2  -23.8  0.0  -26.1  -33.4  10.5  0.0
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 52 53 54 55 56 57 58	HVDC  Export of  HVDC  765 kV  400 kV  132kV  Export of  HVDC  LINK  765 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA-BHINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-KOTA  BHANPURA-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHARBARWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  FONDA-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C D/C S/C S/C D/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 242 0 0 0 0 555 0 56 151 34 964 62 54 0 0 56 22 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 111 3 40 0 WR-NR	16.0  0.0  6.1  0.0  0.0  0.0  10.4  0.0  0.0  1.5  0.0  21.8  0  0.0  0.0  40.3	0.0  35.5  0.0  26.5  44.1  18.2  25.6  0.0  28.5  3.8  0.0  1.1  0.0  1.8  0.0  1.8  0.0  1.8  0.0  0.3  187.1  23.8  0.0  26.1  33.4  0.0  0.0  0.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8  0.5  -0.2  0.0  -139.2  -23.8  0.0  -26.1  -33.4  10.5  0.0  0.0
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 52 53 54 55 56 57	HVDC  Export of  HVDC  765 kV  400 kV  132kV  Export of  HVDC  LINK  765 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA-BHINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-KOTA  BHANPURA-MORAK  MEHGAON-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHARDAWATI B/B  BARSUR-LSILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMBAD  KOLHAPUR-KUDGI  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C D/C S/C S/C S/C D/C S/C S/C S/C S/C D/C S/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 242 0 0 0 0 0 555 0 56 151 34 964 62 54 0 0 0 0 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 1111 3 40 0 WR-NR  999 0 2098 2034 0 0 0 0 56	16.0  0.0  6.1  0.0  0.0  0.0  10.4  0.0  0.0  10.5  0.1  0.0  40.3	0.0  35.5  0.0  26.5  44.1  18.2  25.6  0.0  28.5  3.8  0.0  1.1  0.0  1  23.8  0.0  187.1  23.8  0.0  26.1  33.4  0.0  0.0  0.0  0.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8  0.5  -0.2  0.0  -139.2  -23.8  0.0  -26.1  -33.4  10.5  0.0  0.0  0.0  0.2
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 52 53 54 55 56 57 58	HVDC  Export of  HVDC  765 kV  400 kV  132kV  Export of  HVDC  LINK  765 kV	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-KANKROLI  ZERDA-BHINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-KOTA  BHANPURA-MORAK  MEHGAON-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RICHMODI  KOLHAPUR-RUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  XELDEM-AMBEWADI	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	0 242 0 0 0 0 5555 0 56 151 34 964 62 54 0 56 22 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 1111 3 40 0 WR-NR  999 0 2098 2034 0 0 0 0 56 WR-SR	16.0  0.0  6.1  0.0  0.0  0.0  10.4  0.0  0.0  1.5  0.0  21.8  0  0.0  0.0  40.3	0.0  35.5  0.0  26.5  44.1  18.2  25.6  0.0  28.5  3.8  0.0  1.1  0.0  1.8  0.0  1.8  0.0  1.8  0.0  0.3  187.1  23.8  0.0  26.1  33.4  0.0  0.0  0.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8  0.5  -0.2  0.0  -139.2  -23.8  0.0  -26.1  -33.4  10.5  0.0  0.0
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 52 53 54 55 56 57 58 59	HVDC  Export of  HVDC  765 kV  400 kV  132kV  Export of  HVDC  LINK  765 kV	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  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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 242 0 0 0 0 555 0 56 151 34 964 62 54 0 0 56 22 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 1111 3 40 0 WR-NR  999 0 2098 2034 0 0 0 0 56 WR-SR	16.0  0.0  6.1  0.0  0.0  0.0  10.4  0.0  0.0  10.5  0.1  0.0  40.3	0.0  35.5  0.0  26.5  44.1  18.2  25.6  0.0  28.5  3.8  0.0  1.1  0.0  1  23.8  0.0  187.1  23.8  0.0  26.1  33.4  0.0  0.0  0.0  0.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8  0.5  -0.2  0.0  -139.2  -23.8  0.0  -26.1  -33.4  10.5  0.0  0.0  0.2  -72.6
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 52 53 54 55 56 57 58	HVDC  Export of  HVDC  765 kV  400 kV  132kV  Export of  HVDC  LINK  765 kV	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-KANKROLI  ZERDA-BHINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-KOTA  BHANPURA-MORAK  MEHGAON-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RICHMODI  KOLHAPUR-RUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  XELDEM-AMBEWADI	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	0 242 0 0 0 0 5555 0 56 151 34 964 62 54 0 56 22 0	NER-NR  1510 0 1169 2471 1020 805 0 1388 588 43 123 0 280 36 1111 3 40 0 WR-NR  999 0 2098 2034 0 0 0 0 56 WR-SR	16.0  0.0  6.1  0.0  0.0  0.0  10.4  0.0  0.0  10.5  0.1  0.0  40.3	0.0  35.5  0.0  26.5  44.1  18.2  25.6  0.0  28.5  3.8  0.0  1.1  0.0  1  23.8  0.0  187.1  23.8  0.0  26.1  33.4  0.0  0.0  0.0  0.0	16.0  -35.5  6.1  -26.5  -44.1  -18.2  -25.6  10.4  -28.5  3.8  1.5  -1.1  21.8  -1  -1.0  -1.8  0.5  -0.2  0.0  -139.2  -23.8  0.0  -26.1  -33.4  10.5  0.0  0.0  0.0  0.2