

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: 10th Apr 2019

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. 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 09.04.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 9th 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 10-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	48028	50508	45307	14823	2269	160935
Peak Shortage (MW)	521	0	0	0	247	768
Energy Met (MU)	994	1236	1083	379	39	3731
Hydro Gen (MU)	189	32	72	47	3	342
Wind Gen (MU)	16	81	46			143
Solar Gen (MU)*	25.40	27.1	79.28	0.90	0.03	133
Energy Shortage (MU)	10.8	0.0	0.0	0.0	2,2	13.0
Maximum Demand Met during the day	47343	53428	48068	17904	2278	162953
(MW) & time (from NLDC SCADA)	19:38	11:21	14:52	00:04	19:51	22:58

B. Frequency Profile (%)
Region
All India <49.7 49.7-49.8 49.8-49.9 49.9-50.05 > 50.05 0.034 0.00 0.38 6.99 79.73 13.28

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	5770	0	126.8	44.3	-1.2	71	0.0
	Haryana	6645	19	126.8	98.3	-0.2	134	0.4
	Rajasthan	9627	0	211.3	59.7	-1.2	209	0.0
NR	Delhi	4229	0	86.9	72.0	-0.5	138	0.0
	UP	17607	0	331.6	151.8	1.1	700	0.0
	Uttarakhand	1789	0	37.0	13.9	0.5	107	0.0
	HP	1379	0	26.2	9.3	1.5	115	0.1
	J&K	2071	518	43.9	33.4	0.5	265	10.4
	Chandigarh	189	0	3.7	4.1	-0.5	5	0.0
	Chhattisgarh	4399	0	101.7	47.1	-3.3	365	0.0
	Gujarat	16585	0	379.7	106.7	3.8	886	0.0
	MP	9705	0	210.4	80.4	-1.4	451	0.0
WR	Maharashtra	22347	0	499.9	142.0	-1.7	549	0.0
WK	Goa	521	0	13.7	10.9	2.2	48	0.0
	DD	310	0	6.2	6.0	0.2	65	0.0
	DNH	800	0	18.9	18.8	0.1	67	0.0
	Essar steel	249	0	5.2	5.3	-0.1	193	0.0
	Andhra Pradesh	8834	0	194.1	59.0	0.2	439	0.0
	Telangana	9171	0	206.7	78.6	-0.9	438	0.0
SR	Karnataka	11905	0	228.9	75.9	-0.4	414	0.0
JI.	Kerala	3988	0	84.8	63.3	1.2	212	0.0
	Tamil Nadu	15655	0	359.6	202.4	-0.6	450	0.0
	Pondy	419	0	8.8	8.9	-0.1	40	0.0
	Bihar	4048	0	70.9	64.7	1.2	190	0.0
	DVC	3029	0	69.2	-53.4	-1.2	250	0.0
ER	Jharkhand	970	0	20.9	15.8	-0.7	90	0.0
LIV	Odisha	3960	0	83.2	26.5	0.4	325	0.0
	West Bengal	6977	0	133.3	41.3	-3.9	210	0.0
	Sikkim	91	0	1.0	1.6	-0.5	15	0.0
	Arunachal Pradesh	120	4	2.1	2.3	-0.3	32	0.0
	Assam	1322	52	22.3	17.4	1.2	122	1.7
	Manipur	167	3	2.6	2.3	0.4	33	0.0
NER	Meghalaya	317	1	5.7	4.8	-0.2	59	0.3
	Mizoram	85	2	1.6	1.3	0.2	13	0.0
	Nagaland	127	4	2.0	1.9	0.1	27	0.0
	Tripura	215	14	3.0	1.4	0.2	58	0.1

$\begin{tabular}{ll} \textbf{D. Transnational Exchanges} & \textbf{(MU) - Import(+ve)/Export(-ve)} \end{tabular}$

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.2	-7.0	-19.8
Day peak (MW)	383.2	-449.4	-944.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	187.3	-260.7	145.4	-73.8	1.0	-0.9
Actual(MU)	185.9	-255.6	159.1	-90.0	2.0	1.4
O/D/U/D(MU)	-1.3	5.1	13.7	-16.2	0.9	2.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5725	12237	5372	1870	531	25735
State Sector	11170	13179	4230	3565	50	32194
Total	16895	25416	9602	5435	581	57928

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	487	1262	599	467	10	2825
Lignite	23	17	53	0	0	93
Hydro	189	32	72	47	3	342
Nuclear	23	30	34	0	0	86
Gas, Naptha & Diesel	30	56	16	0	27	129
RES (Wind, Solar, Biomass & Others)	73	114	162	1	0	350
Total	825	1511	935	515	40	3826
Share of RES in total generation (%)	8 00	7.53	17 31	0.18	0.07	0.15

Share of RES in total generation (%)	8.90	7.53	17.31	0.18	0.07	9.15
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.55	11.59	28.55	9.32	8.10	20.35

H. Diversity Factor
All India Demand Diversity Factor
1.037
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 EXCHA	ANGES	Date of 1	Reporting :	10-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)						
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	D/C S/C	0	710 470	0.0	11.8 6.6	-11.8 -6.6
3	703KV	GAYA-BALIA	S/C	0	371	0.0	6.0	-6.0
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	nvbc	PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2
6	4	PUSAULI-VARANASI	S/C	0	62	0.0	0.8	-0.8
7 8		PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	S/C D/C	5 0	39 960	0.0	0.2	-0.2 -15.1
9	400 kV	PATNA-BALIA	Q/C	0	959	0.0	16.4	-15.1
10	100 111	BIHARSHARIFF-BALIA	D/C	0	437	0.0	7.9	-7.9
11	1	MOTIHARI-GORAKHPUR	D/C	0	325	0.0	6.5	-6.5
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	2	173	0.0	2.3	-2.3
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		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	2	0	0.0	0.0	0.0
Import/F	vnert of	ER (With WR)			ER-NR	0.6	74.9	-74.3
	Aport of	T .	1 1					
18	765 1.37	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1644	0	28.7	0.0	28.7
19	20	NEW RANCHI-DHARAMJAIGARH	D/C	524	174	3.1	0.0	3.1
		JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	D/C Q/C	146 139	60 236	0.1	0.0 1.6	0.1 -1.6
22	400 kV	RANCHI-SIPAT	D/C	183	54	0.8	0.0	0.8
23		BUDHIPADAR-RAIGARH	S/C	17	116	0.0	1.5	-1.5
24	220 kV	BUDHIPADAR-KORBA	D/C	152	0	2.3	0.0	2.3
					ER-WR	35.0	3.1	31.9
Import/E	Export of	ER (With SR)						
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2017.0	0.0	40.7	-40.7
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	15.4	-15.4
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2463.0	0.0	51.0	-51.0
28	400 kV 220 kV	TALCHER-I/C	D/C	1.0	919.0	0.0	7.6	-7.6
29	220 KV	BALIMELA-UPPER-SILERRU	S/C	1.0	ER-SR	0.0	0.0 107.1	0.0 -107.1
Import/E	Export of	ER (With NER)			EK-5K	0.0	107.1	-107.1
30	Î	BINAGURI-BONGAIGAON	D/C	400	0	5.9	0.0	6
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	493	0	7.8	0.0	8
32	220 kV	ALIPURDUAR-SALAKATI	D/C	88	0	1.2	0.0	1
					ER-NER	14.9	0.0	14.9
						,		
		NER (With NR)	1				0.0	4.4.0
Import/E	HVDC	NER (With NR) BISWANATH CHARIALI-AGRA	-	661	0 NED ND	16.8	0.0	16.8
33	HVDC	BISWANATH CHARIALI-AGRA	-	661	0 NER-NR	16.8 16.8	0.0	16.8 16.8
33	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)	- D/C		NER-NR	16.8	0.0	16.8
33 Import/E 34	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	D/C D/C	0	NER-NR 552	0.0	13.2	-13.2
33	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR)	D/C D/C D/C		NER-NR	16.8	0.0	16.8
33 Import/E 34 35	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B	D/C	0 244	NER-NR 552 0	0.0 6.1	13.2 0.0	-13.2 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	0 244 0	NER-NR 552 0 1077	0.0 6.1 0.0	13.2 0.0 23.7	-13.2 6.1 -23.7
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	0 244 0	552 0 1077 2359	0.0 6.1 0.0 0.0 0.0 0.0	13.2 0.0 23.7 44.4	-13.2 6.1 -23.7 -44.4
33 Import/E 34 35 36 37 38 39 40	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI	D/C D/C D/C D/C D/C S/C	0 244 0 0 0 0 0	552 0 1077 2359 1138 775	0.0 6.1 0.0 0.0 0.0 0.0 0.0 9.2	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2
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	0 244 0 0 0 0 0 0 438	552 0 1077 2359 1138 775 0	0.0 6.1 0.0 0.0 0.0 0.0 0.0 9.2	13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3
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	0 244 0 0 0 0 0 0 438 0	NER-NR 552 0 1077 2359 1138 775 0 1377 0	0.0 6.1 0.0 0.0 0.0 0.0 0.0 9.2 0.0	13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1
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	0 244 0 0 0 0 0 0 438 0 0	552 0 1077 2359 1138 775 0 1377 0 45	0.0 6.1 0.0 0.0 0.0 0.0 0.0 9.2 0.0 0.0	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3
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 S/C	0 244 0 0 0 0 0 438 0 0 148 94	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165	0.0 6.1 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3	13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9
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 S/C	0 244 0 0 0 0 0 438 0 0 0 148 94	S52	0.0 6.1 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3 0.0 22.1	13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1
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 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	0 244 0 0 0 0 0 438 0 0 0 148 94 974	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330	0.0 6.1 0.0 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3 0.0 22.1	13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 2	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2
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 BADOD-KOTA	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	0 244 0 0 0 0 0 438 0 0 0 148 94	S52	0.0 6.1 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3 0.0 22.1	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 2	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1
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 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	0 244 0 0 0 0 0 438 0 0 148 94 974 0 35	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33	16.8 0.0 6.1 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3 0.0 22.1 0 0.0	13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 2	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7
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 -RHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK	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	0 244 0 0 0 0 0 438 0 0 148 94 974 0	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91	0.0 6.1 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3 0.0 22.1 0	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 2 0.7 1.5	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	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 BADOD-KOTA BADOD-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	0 244 0 0 0 0 0 438 0 0 0 148 94 974 0 35 0	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0	0.0 6.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 2 0.7 1.5	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7
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 BADOD-KOTA BADOD-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	0 244 0 0 0 0 0 438 0 0 0 148 94 974 0 0 35 0	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0 26	16.8 0.0 6.1 0.0 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3 0.0 22.1 0 0.0 0.0 0.7 0.1	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 2 0.7 1.5 0.0	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7 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	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 BADOD-KOTA 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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 244 0 0 0 0 0 438 0 0 148 94 974 0 355 0 0 60 255	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0 0 WR-NR	16.8 0.0 6.1 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3 0.0 22.1 0 0.0 0.0 39.4	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 2 0.7 1.5 0.0 0.1 1.5 0.0 1.6 0.0 1.6 0.0 1.6 0.0 1.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7 0.0 0.0 -119.2
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 BADOD-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 2444 0 0 0 0 0 438 0 0 148 94 974 0 35 0 0	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0 26 0 WR-NR	16.8 0.0 6.1 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3 0.0 22.1 0 0.0 0.7 0.1 0.0 39.4	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 2 0.7 1.5 0.0 0.1 1.5	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7 0.0 0.0 -119.2
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 VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI 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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 2444 0 0 0 0 0 438 0 0 148 94 974 0 35 0 60 25 0	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0 WR-NR	16.8 0.0 6.1 0.0 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3 0.0 22.1 0 0.0 0.7 0.1 0.0 39.4	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.7 1.5 0.0 0.1 0.0 164.8	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7 0.0 0.0 -119.2
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 BADOD-KOTA BADOD-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 2444 0 0 0 0 0 0 438 0 0 0 148 94 974 0 35 0 0 0 0 0 148 94 974 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0 WR-NR	16.8 0.0 6.1 0.0 0.0 0.0 0.0 0.0 1.3 0.0 22.1 0 0.0 0.7 0.1 0.0 39.4	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.7 1.5 0.0 0.1 0.0 164.8	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7 0.0 0.0 -119.2 -11.4 0.0 -45.8
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 56 47 48 49 50 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 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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 244 0 0 0 0 0 0 438 0 0 0 148 94 974 0 0 35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0 26 0 WR-NR	0.0 6.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.3 0.0 22.1 0 0.0 0.0 0.7 0.1 0.0 39.4 0.0 0.0 0.0 0.0	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 2 0.7 1.5 0.0 0.1 0.0 164.8	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7 0.0 0.0 -119.2
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 BADOD-MOTAK 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 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 244 0 0 0 0 0 0 438 0 0 0 148 94 974 0 0 35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0 26 0 WR-NR	0.0 6.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.3 0.0 22.1 0 0.0 0.0 0.7 0.1 0.0 39.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 2 0.7 1.5 0.0 0.1 0.0 164.8	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7 0.0 0.0 -119.2 -11.4 0.0 -45.8 -45.3 7.1
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 56 47 48 49 50 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 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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 244 0 0 0 0 0 0 438 0 0 0 148 94 974 0 0 35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0 26 0 WR-NR 488 0 2409 2402 0 0	0.0 6.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.3 0.0 22.1 0 0.0 0.0 0.7 0.1 0.0 39.4 0.0 0.0 0.0 0.0	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 2 0.7 1.5 0.0 0.1 0.0 164.8 11.4 0.0 45.8 45.3 0.0 0.0	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7 0.0 0.0 -119.2
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	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 BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	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 S/C S/C S/C S/C S/C S/C S	0 244 0 0 0 0 0 0 438 0 0 148 94 974 0 0 355 0 60 255 0 0 0 0 0 0 547	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0 26 0 WR-NR	0.0 6.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.3 0.0 22.1 0 0.0 0.0 0.7 0.1 0.0 39.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 2 0.7 1.5 0.0 0.1 0.0 164.8	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7 0.0 0.0 -119.2 -11.4 0.0 -45.8 -45.3 7.1 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 BADOD-KOTA 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	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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 244 0 0 0 0 0 0 438 0 0 148 94 974 0 0 355 0 0 0 0 0 1 0 1 1	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0 0 WR-NR 488 0 2409 2402 0 0 0	16.8 0.0 6.1 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3 0.0 22.1 0 0.0 0.0 39.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 2 0.7 1.5 0.0 0.1 164.8 11.4 0.0 45.8 45.3 0.0 0.0 0.0	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7 0.0 0.0 -119.2 -11.4 0.0 -45.8 -45.3 7.1 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	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 BADOD-MORAK MEHGAON-AURAIYA MALANPUR-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 S/C S/C	0 244 0 0 0 0 0 0 438 0 0 148 94 974 0 35 0 60 25 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0 0 WR-NR 488 0 2409 2402 0 0 0 0 61 WR-SR	16.8 0.0 6.1 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3 0.0 22.1 0 0.0 0.7 0.1 0.0 39.4 0.0 0.0 0.0 0.0 1.3	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 1.5 0.0 0.1 164.8 11.4 0.0 45.8 45.3 0.0 0.0 0.0 0.0 0.0	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7 0.0 0.0 -119.2 -11.4 0.0 -45.8 -45.3 7.1 0.0 0.0 1.3
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 BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C D/C S/C S/C	0 244 0 0 0 0 0 0 438 0 0 148 94 974 0 0 355 0 0 0 0 0 1 0 1 1	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0 0 WR-NR 488 0 2409 2402 0 0 0 0 61 WR-SR	16.8 0.0 6.1 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3 0.0 22.1 0 0.0 0.7 0.1 0.0 39.4 0.0 0.0 0.0 0.0 1.3	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 1.5 0.0 0.1 164.8 11.4 0.0 45.8 45.3 0.0 0.0 0.0 0.0 0.0	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7 0.0 0.0 -119.2 -11.4 0.0 -45.8 -45.3 7.1 0.0 0.0 1.3 -94.1
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 BADOD-MORAK MEHGAON-AURAIYA MALANPUR-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 S/C S/C	0 244 0 0 0 0 0 0 438 0 0 148 94 974 0 35 0 60 25 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0	NER-NR 552 0 1077 2359 1138 775 0 1377 0 45 165 0 330 33 91 0 0 WR-NR 488 0 2409 2402 0 0 0 0 61 WR-SR	16.8 0.0 6.1 0.0 0.0 0.0 0.0 9.2 0.0 0.0 1.3 0.0 22.1 0 0.0 0.7 0.1 0.0 39.4 0.0 0.0 0.0 0.0 1.3	0.0 13.2 0.0 23.7 44.4 19.2 27.2 0.0 28.3 3.1 0.0 0.9 0.0 1.5 0.0 0.1 164.8 11.4 0.0 45.8 45.3 0.0 0.0 0.0 0.0 0.0	16.8 -13.2 6.1 -23.7 -44.4 -19.2 -27.2 9.2 -28.3 3.1 1.3 -0.9 22.1 -2 -0.7 -1.5 0.7 0.0 0.0 -119.2 -11.4 0.0 -45.8 -45.3 7.1 0.0 0.0 1.3