

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, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 29th Oct 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. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 28.10.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-अक्टूबर-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 28th Oct 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 29-Oct-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 1900 hrs; from RLDCs)	37616	34268	32972	18560	2354	125770
Peak Shortage (MW)	823	0	0	0	70	893
Energy Met (MU)	770	773	697	356	40	2635
Hydro Gen (MU)	143	36	152	84	16	431
Wind Gen (MU)	5	31	21			57
Solar Gen (MU)*	24.88	16.5	52.95	2.03	0.04	96
Energy Shortage (MU)	11.2	0.0	0.0	0.0	1.2	12.4
Maximum Demand Met during the day	38522	35405	33695	18887	2426	128019
(MW) & time (from NLDC SCADA)	19:12	18:39	18:32	18:28	17:32	18:39

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 0.025 14.71

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	4457	0	92.0	48.0	-1.7	77	0.0
	Haryana	4805	0	96.2	94.3	0.2	187	0.0
	Rajasthan	9332	0	175.3	56.1	0.6	365	0.0
	Delhi	2861	0	60.3	44.7	-0.2	147	0.0
NR	UP	14030	0	260.1	118.9	0.9	665	1.4
	Uttarakhand	1367	0	24.6	13.0	-0.1	96	0.0
	HP	969	0	17.0	6.0	0.7	211	0.0
	J&K	2331	583	41.3	35.4	-2.1	366	9.8
	Chandigarh	164	0	2.9	3.2	-0.3	9	0.0
	Chhattisgarh	3072	0	67.4	22.4	0.3	271	0.0
	Gujarat	9939	0	215.2	70.9	0.3	523	0.0
	MP	7451	0	154.6	100.0	-3.0	240	0.0
WR	Maharashtra	14358	0	305.6	106.7	-2.8	535	0.0
WK	Goa	541	0	10.1	10.0	-0.5	41	0.0
	DD	155	0	3.2	2.6	0.6	35	0.0
	DNH	530	0	11.4	11.4	0.0	41	0.0
	Essar steel	322	0	5.9	5.7	0.2	297	0.0
	Andhra Pradesh	7356	0	152.8	61.6	-0.3	966	0.0
	Telangana	6840	0	144.5	42.3	-2.9	349	0.0
SR	Karnataka	6814	0	128.2	38.5	-3.2	710	0.0
JN.	Kerala	3422	0	64.6	46.1	1.1	211	0.0
	Tamil Nadu	10087	0	201.2	121.8	-3.9	408	0.0
	Pondy	303	0	5.5	6.5	-1.0	66	0.0
	Bihar	4614	0	79.7	79.2	-1.2	156	0.0
	DVC	2949	0	59.1	-16.9	0.6	89	0.0
ER	Jharkhand	1294	0	24.3	15.0	-1.2	58	0.0
LIN	Odisha	3897	0	76.6	9.8	0.3	186	0.0
	West Bengal	6625	0	115.4	37.2	4.4	179	0.0
	Sikkim	78	0	0.7	1.1	-0.4	24	0.0
	Arunachal Pradesh	108	1	2.2	1.6	0.4	32	0.0
	Assam	1418	50	21.5	16.3	-0.6	109	1.2
	Manipur	156	1	2.5	2.4	0.1	18	0.0
NER	Meghalaya	309	0	5.5	1.1	-0.3	37	0.0
	Mizoram	98	2	1.7	0.9	0.4	28	0.0
	Nagaland	115	1	2.4	1.9	0.2	27	0.0
	Tripura	265	1	4.2	3.2	-0.5	25	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	18.7	-1.5	-23.3
Day peak (MW)	806.0	-200.0	-1078.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	184.2	-209.2	88.2	-60.7	-2.5	0.0
Actual(MU)	167.2	-203.7	81.9	-43.8	-2.6	-0.9
O/D/U/D(MU)	-17.0	5.6	-6.3	16.9	-0.1	-0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2367	17011	10632	2230	660	32900
State Sector	13101	25335	13893	6180	11	58520
Total	15468	42346	24525	8410	672	91420

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	371	824	247	330	10	1783
Lignite	16	14	41	0	0	72
Hydro	143	36	152	84	16	431
Nuclear	28	29	60	0	0	117
Gas, Naptha & Diesel	22	35	16	0	21	95
RES (Wind, Solar, Biomass & Others)	40	54	104	2	0	200
Total	620	993	621	417	47	2698

Share of RES in total generation (%)	6.40	5.47	16.77	0.49	0.09	7.42
Share of Non-fossil fuel (Hydro, Nuclear and	33.97	11.96	50.94	20.72	34.12	27.73
RES) in total generation (%)	33.91	11.50	30.94	20.72	34.12	21.13

H. Diversity Factor All India Demand Diversity Factor

All India Demand Diversity Factor 1.007

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}.$

		IN	TER-REGI	ONAL EXCH	ANGES	Date of l	Reporting :	29-Oct-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)					(1120)	(320)
1		GAYA-VARANASI	D/C	128	363	0.0	3.4	-3.4
2	765kV	SASARAM-FATEHPUR	S/C	134	106	0.0	0.2	-0.2
3		GAYA-BALIA ALIPURDUAR-AGRA	S/C	0	302 400	0.0	4.7 9.8	-4.7 -9.8
5	HVDC	PUSAULI B/B	S/C	0	200	0.0	4.9	-4.9
6		PUSAULI-VARANASI	S/C	0	192	0.0	3.6	-3.6
7		PUSAULI -ALLAHABAD	S/C	0	83	0.0	1.1	-1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	31	413	0.0	6.2	-6.2
9	400 kV	PATNA-BALIA	Q/C	0	658	0.0	11.9	-11.9
10		BIHARSHARIFF-BALIA	D/C	34	184	0.0	2.1	-2.1
11		MOTIHARI-GORAKHPUR	D/C	0	5	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	196	64	1.4	0.0	1.4
13	220 kV	PUSAULI-SAHUPURI	S/C	22	33	0.0	0.2	-0.2
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	1.8	48.0	-46.2
Import/E	export of	ER (With WR)	, ,					1
18		JHARSUGUDA-DHARAMJAIGARH	Q/C	1782	0	22.5	0.0	22.5
19	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	758	0	9.7	0.0	9.7
20		JHARSUGUDA-DURG	D/C	178	57	1.3	0.0	1.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	193	59	1.5	0.0	1.5
22	400 K 1	RANCHI-SIPAT	D/C	278	0	4.1	0.0	4.1
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	58	0.0	0.9	-0.9
24		BUDHIPADAR-KORBA	D/C	87	0	1.0	0.0	1.0
					ER-WR	40.1	0.9	39.3
_	_	ER (With SR)	1 1		*****		21.2	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2108.0	0.0	31.2	-31.2
26	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	424.0	0.0	7.3	-7.3
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1980.0	0.0	26.2	-26.2
28	400 kV	TALCHER-I/C	D/C	620.0	1131.0	1.4	0.0	1.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0 ER-SR	0.0	0.0 64.8	0.0 -64.8
Import/E	Export of	ER (With NER)			ER-5R	0.0	04.0	-04.8
30	Ĺ	BINAGURI-BONGAIGAON	D/C	0	370	0.0	2.4	-2
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	81	194	0.0	0.5	0
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	97	0.0	0.7	-1
					ER-NER	0.0	3.7	-3.7
	vnert of	NER (With NR)				l .		
tmport/E	APOIT OF			0	306	0.0	7.2	-7.2
Import/E 33		BISWANATH CHARIALI-AGRA	-					
_		BISWANATH CHARIALI-AGRA	-		NER-NR	0.0	7.2	-7.2
33	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)	-		NER-NR	0.0	7.2	-7.2
33	HVDC		D/C	0	NER-NR 490	0.0	7.2 13.1	-7.2
33	HVDC	WR (With NR)		0 455	,			
33 Import/E 34	HVDC Export of	WR (With NR) CHAMPA-KURUKSHETRA	D/C		490	0.0	13.1	-13.1
33 Import/E 34 35	HVDC Export of	WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B	D/C D/C	455	490	0.0 12.3	13.1	-13.1 12.3
33 Import/E 34 35 36	HVDC Export of	WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG	D/C D/C D/C	455 0	490 0 981	0.0 12.3 0.0	13.1 0.0 21.0	-13.1 12.3 -21.0
33 Import/E 34 35 36 37	Export of HVDC	WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA	D/C D/C D/C D/C	455 0 0	490 0 981 2077	0.0 12.3 0.0 0.0	13.1 0.0 21.0 40.3	-13.1 12.3 -21.0 -40.3
33 Import/E 34 35 36 37 38	HVDC Export of	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	455 0 0 0	490 0 981 2077 1236	0.0 12.3 0.0 0.0 0.0 0.0 0.0 7.8	13.1 0.0 21.0 40.3 21.4	-13.1 12.3 -21.0 -40.3 -21.4
33 Import/E 34 35 36 37 38 39 40 41	Export of HVDC	WR (With NR) CHAMPA-KURUKSHETRA VCHAL 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 S/C S/C	455 0 0 0 0 0 407	490 0 981 2077 1236 731 0 1351	0.0 12.3 0.0 0.0 0.0 0.0 7.8	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5
33 Import/E 34 35 36 37 38 39 40 41 42	Export of HVDC	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA	D/C D/C D/C D/C D/C D/C D/C S/C S/C D/C	455 0 0 0 0 0 407 0 151	490 0 981 2077 1236 731 0 1351 489	0.0 12.3 0.0 0.0 0.0 0.0 7.8 0.0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8
33 Import/E 34 35 36 37 38 39 40 41 42 43	Export of HVDC	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI	D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C	455 0 0 0 0 0 407 0 151 107	490 0 981 2077 1236 731 0 1351 489 38	0.0 12.3 0.0 0.0 0.0 0.0 7.8 0.0 0.0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6
33 Import/E 34 35 36 37 38 39 40 41 42 43 44	Export of HVDC	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	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	455 0 0 0 0 407 0 151 107 36	490 0 981 2077 1236 731 0 1351 489 38 222	0.0 12.3 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.7	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45	HVDC Export of HVDC - 765 kV	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	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	455 0 0 0 0 407 0 151 107 36 972	490 0 981 2077 1236 731 0 1351 489 38 222 0	0.0 12.3 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.7 0.1 22.7	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45	HVDC Export of HVDC - 765 kV	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	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	455 0 0 0 0 407 0 151 107 36 972 0	490 0 981 2077 1236 731 0 1351 489 38 222 0 283	0.0 12.3 0.0 0.0 0.0 0.0 7.8 7.8 0.0 0.0 0.7 0.1 22.7	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47	HVDC Export of HVDC - 765 kV	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	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	455 0 0 0 0 407 0 151 107 36 972 0 36	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47	0.0 12.3 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.0 0.7 0.1 22.7 0 0.0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	HVDC Export of HVDC - 765 kV	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	455 0 0 0 0 407 0 151 107 36 972 0 36 13	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61	0.0 12.3 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.7 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2 0.3 0.5	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5
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	WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B'B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61	0.0 12.3 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.7 0.1 22.7 0 0.0 0.0 0.0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2 0.3 0.5 0.0	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	HVDC Export of HVDC - 765 kV - 400 kV	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7	0.0 12.3 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.7 0.1 22.7 0 0.0 0.0 0.0 0.4	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2 0.3 0.5 0.0 0.3	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3
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	WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B'B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7	0.0 12.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2 0.3 0.5 0.0	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3
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 132kV	WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7	0.0 12.3 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.7 0.1 22.7 0 0.0 0.0 0.0 0.4	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2 0.3 0.5 0.0 0.3	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3
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	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK 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	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47 18	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7 35 0	0.0 12.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.7 0.1 22.7 0 0.0 0.0 0.4 0.0 0.0 0.4	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2 0.3 0.5 0.0 0.3 0.0	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3 0.0 -116.4
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 - 132kV Export of HVDC	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK 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	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47 18 0	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7 35 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.7 0.1 0.2.7 0 0.0 0.0 0.4 0.0 0.0 44.0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 0.9 0.2 0.3 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3 0.0 -116.4
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	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU	D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47 18 0	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7 35 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.7 0.1 0.1 0.0 0.0 0.4 0.0 0.0 0.4 0.0 0.0 0.0	13.1 0.0 21.0 21.4 27.7 0.0 26.5 4.8 0.1 0.0 2 0.3 0.5 0.0 0.0 160.4	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 -22.7 -2 -0.3 -0.5 0.4 -0.3 0.0 -116.4
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	WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B'B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA 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	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47 18 0	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7 35 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.7 0.1 22.7 0 0.0 0.0 0.4 0.0 0.0 44.0	13.1 0.0 21.0 21.0 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2 0.3 0.5 0.0 0.0 160.4	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3 0.0 -116.4
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	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC LINK - 765 kV	WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B'B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	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	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47 18 0	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7 35 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.7 0.1 22.7 0 0.0 0.0 0.4 0.0 0.4 0.0 0.0 0.0 0.0 0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2 0.3 0.5 0.0 0.0 160.4 9.0 0.0 13.3 29.4	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3 0.0 -116.4
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 50 51 Import/E 52 53 54 55 56	HVDC Export of HVDC - 765 kV - 400 kV - 220 kV - 132kV Export of HVDC LINK	WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B'B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	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	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47 18 0 0 0 0 13 14 17 18 0 0 0 18 19 19 19 19 19 19 19 19 19 19	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7 35 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2 0.3 0.5 0.0 0.3 0.0 160.4 9.0 0.0 13.3 29.4 0.0	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3 0.0 -116.4 -9.0 0.0 -13.3 -29.4 5.3
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	HVDC Export of HVDC - 765 kV - 400 kV - 132kV Export of HVDC LINK - 765 kV	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK 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 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 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	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47 18 0 0 0 402 0 0 403 0 0 0 0 0 0 0 0 0 0 0 0 0	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7 35 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2 0.3 0.5 0.0 0.3 0.0 160.4 9.0 0.0 13.3 29.4 0.0 0.0	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3 0.0 -116.4 -9.0 0.0 -13.3 -29.4 5.3 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 - 220 kV - 132kV Export of HVDC LINK - 765 kV	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BHADRAWATI	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	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47 18 0 0 0 0 407 0 0 151 107 36 972 0 0 151 107 0 107 0 107 0 107 107 107	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7 35 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 22.7 0 0.0 0.0 0.4 0.0 0.0 44.0 0.0 0.0 0.0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2 0.3 0.5 0.0 0.0 160.4 9.0 0.0 1.3 1.3 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3 0.0 -116.4 -9.0 0.0 -13.3 -29.4 5.3 0.0 -1.2
33 (mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 (mport/E 52 53 54 55 56 57	HVDC Export of HVDC - 765 kV - 400 kV - 132kV Export of HVDC LINK - 765 kV	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK 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 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 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	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47 18 0 0 0 402 0 0 403 0 0 0 0 0 0 0 0 0 0 0 0 0	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7 35 0 WR-NR 995 0 1528 2073 0 0 66 42	0.0 12.3 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.7 0.1 22.7 0 0.0 0.0 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 0.9 0.3 0.5 0.0 0.3 0.0 160.4 9.0 0.0 13.3 29.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-13.1 12.3 -21.0 40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3 0.0 -116.4 -9.0 0.0 -13.3 -29.4 5.3 0.0 -1.2 0.6
33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/E 52 53 54 55 56 57 58	HVDC Export of HVDC - 765 kV - 400 kV - 132kV Export of HVDC LINK - 765 kV	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47 18 0 0 0 237 0 412 0 0	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7 35 0 WR-NR 995 0 1528 2073 0 0 66 42 WR-SR	0.0 12.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 22.7 0 0.0 0.0 0.4 0.0 0.0 44.0 0.0 0.0 0.0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 1.9 0.0 2 0.3 0.5 0.0 0.0 160.4 9.0 0.0 1.3 1.3 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3 0.0 -116.4 -9.0 0.0 -13.3 -29.4 5.3 0.0 -1.2
33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/E 52 53 54 55 56 57 58 59	HVDC Export of HVDC - 765 kV - 400 kV - 132kV Export of HVDC LINK - 765 kV	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI 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	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47 18 0 0 0 0 407 0 0 151 107 36 972 0 0 151 107 0 107 0 107 0 107 107 107	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7 35 0 WR-NR 995 0 1528 2073 0 0 66 42 WR-SR	0.0 12.3 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.7 0.1 22.7 0 0.0 0.0 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 0.9 0.3 0.5 0.0 0.3 0.0 160.4 9.0 0.0 13.3 29.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-13.1 12.3 -21.0 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3 0.0 -116.4 -9.0 0.0 -13.3 -29.4 5.3 0.0 -1.2 0.6 -47.0
33 mport/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/E 52 53 54 55 56 57 58	HVDC Export of HVDC - 765 kV - 400 kV - 132kV Export of HVDC LINK - 765 kV	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	455 0 0 0 0 407 0 151 107 36 972 0 36 13 47 18 0 0 0 237 0 412 0 0	490 0 981 2077 1236 731 0 1351 489 38 222 0 283 47 61 7 35 0 WR-NR 995 0 1528 2073 0 0 66 42 WR-SR	0.0 12.3 0.0 0.0 0.0 0.0 0.0 7.8 0.0 0.0 0.7 0.1 22.7 0 0.0 0.0 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0	13.1 0.0 21.0 40.3 21.4 27.7 0.0 26.5 4.8 0.1 0.9 0.3 0.5 0.0 0.3 0.0 160.4 9.0 0.0 13.3 29.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-13.1 12.3 -21.0 -40.3 -21.4 -40.3 -21.4 -27.7 7.8 -26.5 -4.8 0.6 -1.8 22.7 -2 -0.3 -0.5 0.4 -0.3 0.0 -116.4 -9.0 0.0 -13.3 -29.4 5.3 0.0 -1.2 0.6