

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 6th Jan 2020

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

Sub: Daily PSP Report for the date 05.01.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-जनवरी-2020 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 05th Jan 2020, 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 6-Jan-20

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)	46083	44572	37187	16876	2140	146858
Peak Shortage (MW)	594	30	0	0	199	823
Energy Met (MU)	946	1050	906	330	39	3271
Hydro Gen (MU)	116	36	81	31	9	273
Wind Gen (MU)	5	62	25			91
Solar Gen (MU)*	15.64	22.40	73.03	1.26	0.02	112
Energy Shortage (MU)	12.5	0.4	0.0	0.0	2.5	15.4
Maximum Demand Met during the day (MW) & time	47926	50790	44155	16981	2328	158307
(from NLDC SCADA)	09:50	11:01	08:29	18:02	17:30	09:40

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	0.037	0.00	0.12	5.69	5.81	78.95	15.24

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	5484	0	107.5	51.7	-1.4	0	0.0
	Haryana	6308	0	121.4	74.1	0.4	179	0.0
	Rajasthan	13146	0	237.2	81.1	-2.3	676	0.0
NR	Delhi	4182	0	69.0	58.1	0.0	239	0.0
	UP	15637	150	289.4	121.8	1.7	887	0.5
	Uttarakhand	2008	0	37.0	20.2	0.5	131	0.0
	HP	1614	0	29.2	22.6	0.3	187	0.0
	J&K(UT) and Ladakh(UT)	2538	634	51.2	43.6	2.1	640	12.0
	Chandigarh	227	0	3.8	3.9	0.0	20	0.0
	Chhattisgarh	3449	0	74.2	19.0	-1.8	296	0.0
	Gujarat	15059	0	307.9	79.7	-0.6	470	0.0
	MP	12702	0	228.8	109.9	-3.5	322	0.0
WR	Maharashtra	19648	0	398.2	126.0	-3.1	598	0.0
WK	Goa	410	0	10.9	8.4	2.0	33	0.4
	DD	286	0	6.5	6.3	0.2	29	0.0
	DNH	774	0	18.1	18.1	0.0	89	0.0
	Essar steel	360	0	5.6	5.4	0.2	270	0.0
	Andhra Pradesh	8042	0	160.8	63.0	-1.2	382	0.0
	Telangana	9597	0	190.8	104.6	1.2	462	0.0
SR	Karnataka	11072	0	201.0	49.1	-1.1	544	0.0
JK.	Kerala	3432	0	68.2	55.8	1.0	187	0.0
	Tamil Nadu	12672	0	279.2	160.7	0.2	392	0.0
	Pondy	324	0	6.5	6.7	-0.2	57	0.0
	Bihar	4299	0	76.2	77.7	-2.9	200	0.0
	DVC	2945	0	62.5	-30.5	-1.2	250	0.0
ER	Jharkhand	1310	0	23.3	18.6	-1.1	100	0.0
EN	Odisha	3477	0	63.6	3.6	-0.5	200	0.0
	West Bengal	5550	0	102.9	24.1	-0.3	300	0.0
	Sikkim	111	0	1.6	1.6	0.0	40	0.0
	Arunachal Pradesh	122	3	2.3	1.9	0.2	54	0.0
	Assam	1260	134	20.7	16.8	0.5	129	1.9
	Manipur	183	3	2.6	3.0	-0.4	30	0.0
NER	Meghalaya	356	5	6.2	3.2	0.7	69	0.6
	Mizoram	112	2	1.8	1.4	0.2	34	0.0
	Nagaland	128	1	2.1	2.1	-0.2	23	0.0
	Tripura	224	24	3.3	1.5	0.8	140	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.3	-9.2	-10.0
Day peak (MW)	577.9	-493.0	-769.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	222.0	-254.2	116.4	-82.6	-1.5	0.1
Actual(MU)	225.7	-285.1	137.0	-81.3	-0.3	-4.1
O/D/U/D(MU)	3.7	-31.0	20.6	1.3	1.3	-4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4843	16493	8482	2310	732	32859
State Sector	12539	17756	9100	5010	11	44416
Total	17382	34248	17582	7320	743	77275

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	497	1153	453	415	13	2531
Lignite	24	12	48	0	0	84
Hydro	116	36	81	31	9	273
Nuclear	29	28	41	0	0	97
Gas, Naptha & Diesel	26	29	18	0	22	96
RES (Wind, Solar, Biomass & Others)	48	91	142	1	0	282
Total	741	1349	783	447	44	3364

Share of RES in total generation (%)	6.54	6.74	18.08	0.29	0.05	8.39
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.12	11.47	33.65	7.16	20.13	19.40

H. All India Demand Diversity Factor

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Based on Regional Max Demands	1.024
Based on State Max Demands	1.068

Diversity factor = Sum of regional or state-wise maximum demands / All India maximum demand

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

		IN	TER-REGI	ONAL EXCHA	ANGES	Date of 1	Reporting :	6-Jan-20
								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				(MC)	(MC)
4	HVDC	ALIPURDUAR-AGRA	- 0.00	0	500	0.0	12.3	-12.3
5		PUSAULI B/B GAYA-VARANASI	S/C D/C	13	297 820	0.0	7.4 8.9	-7.4 -8.9
2	765kV	SASARAM-FATEHPUR	S/C	84	335	0.0	2.1	-2.1
3		GAYA-BALIA	S/C	0	401	0.0	6.3	-6.3
6		PUSAULI-VARANASI	S/C	0	239	0.0	5.0	-5.0
7		PUSAULI -ALLAHABAD	S/C	0	153	0.0	2.3	-2.3
8		MUZAFFARPUR-GORAKHPUR	D/C	61	673	0.0	4.3	-4.3
9	400 kV	PATNA-BALIA	Q/C	0	867	0.0	12.8	-12.8
10		BIHARSHARIFF-BALIA	D/C	12	318	0.0	2.8	-2.8
11		MOTIHARI-GORAKHPUR	D/C	0	6	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	151	272	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	97	0.0	1.3	-1.3
14	_	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.7	0.0	0.7
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0 ED ND	0.0	0.0	0.0
[mport/F	Evnert of	FR (With WP)			ER-NR	0.7	45.7	-45.1
	APOFT OF	ER (With WR)	1		1			
18		JHARSUGUDA-DHARAMJAIGARH	Q/C	5965	0	21.3	0.0	21.3
19	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	590	174	5.4	0.0	5.4
20		JHARSUGUDA-DURG	D/C	116	0	0.4	0.0	0.4
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	286	60	2.8	0.0	2.8
22	 	RANCHI-SIPAT	D/C S/C	255 0	23 87	2.8 0.0	0.0	2.8 -1.1
24	220 kV	BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA	D/C	183	0	3.3	0.0	3.3
24		BUDHIPADAR-KORBA	D/C	183	ER-WR	36.0		1
Import/E	Evnort of	ER (With SR)			EK-WK	36.0	1.1	34.9
26	Aport or	JEYPORE-GAZUWAKA B/B	D/C	0.0	666.0	0.0	16.2	-16.2
27	HVDC	TALCHER-KOLAR BIPOLE	D/C	0.0	2466.0	0.0	49.0	-49.0
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1839.0	0.0	33.1	-33.1
28	400 kV	TALCHER-I/C	D/C	328.0	1260.0	0.0	9.8	-9.8
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
	1				ER-SR	0.0	98.3	-98.3
Import/F	Export of	ER (With NER)						•
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	279	0.0	2.6	-3
31	400 K V	ALIPURDUAR-BONGAIGAON	D/C	238	35	2.9	0.0	3
32	220 kV	ALIPURDUAR-SALAKATI	D/C	25	41	0.0	0.1	0
					ER-NER	2.9	2.7	0.2
		NER (With NR)						
33				0		0.0		0.0
	HVDC	BISWANATH CHARIALI-AGRA	-		0		0.0	
T4/T	1		-		NER-NR	0.0	0.0	0.0
	1	WR (With NR)		0	NER-NR	1	0.0	
34	Export of	WR (With NR) CHAMPA-KURUKSHETRA	D/C	0	NER-NR 2055	0.0	40.3	-40.3
34 35	1	WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B	D/C D/C	360	2055 0	0.0 9.7	40.3 0.0	-40.3 9.7
34 35 36	Export of	WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG	D/C D/C D/C	360	NER-NR 2055 0 2106	0.0 9.7 0.0	40.3 0.0 47.2	-40.3 9.7 -47.2
34 35 36 37	Export of	WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA	D/C D/C D/C D/C	360 0 0	NER-NR 2055 0 2106 2428	0.0 9.7 0.0 0.0	40.3 0.0 47.2 41.7	-40.3 9.7 -47.2 -41.7
34 35 36 37 38	Export of HVDC	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	360 0 0 0	NER-NR 2055 0 2106 2428 1586	0.0 9.7 0.0 0.0 0.0	40.3 0.0 47.2 41.7 18.1	-40.3 9.7 -47.2 -41.7 -18.1
34 35 36 37	Export of	WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA	D/C D/C D/C D/C	360 0 0	NER-NR 2055 0 2106 2428	0.0 9.7 0.0 0.0	40.3 0.0 47.2 41.7	-40.3 9.7 -47.2 -41.7
34 35 36 37 38 39	Export of HVDC	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	360 0 0 0 0	2055 0 2106 2428 1586 893	0.0 9.7 0.0 0.0 0.0 0.0	40.3 0.0 47.2 41.7 18.1 27.2	-40.3 9.7 -47.2 -41.7 -18.1 -27.2
34 35 36 37 38 39 40	Export of HVDC	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI	D/C D/C D/C D/C D/C D/C S/C	360 0 0 0 0 0 607	2055 0 2106 2428 1586 893 0	0.0 9.7 0.0 0.0 0.0 0.0 0.0 9.7	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7
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	360 0 0 0 0 0 0 607 0	2055 0 2106 2428 1586 893 0 1439	0.0 9.7 0.0 0.0 0.0 0.0 0.0 9.7	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0
34 35 36 37 38 39 40 41 42	Export of HVDC - 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	D/C D/C D/C D/C D/C D/C D/C S/C S/C D/C	360 0 0 0 0 0 607 0 455	NER-NR 2055 0 2106 2428 1586 893 0 1439 574	0.0 9.7 0.0 0.0 0.0 0.0 0.0 9.7 0.0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0
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 S/C	360 0 0 0 0 0 607 0 455 170	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92	0.0 9.7 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4	40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4
34 35 36 37 38 39 40 41 42 43	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	D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C	360 0 0 0 0 607 0 455 170 85	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331	0.0 9.7 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0	40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0 0.0 2.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0
34 35 36 37 38 39 40 41 42 43 44 45	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 D/C S/C S/C S/C S/C S/C S/C S/C	360 0 0 0 0 0 607 0 455 170 85 983	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0	0.0 9.7 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0 16.0	40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0 2.0 0.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0
34 35 36 37 38 39 40 41 42 43 44 45 46	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	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 D/C	360 0 0 0 0 0 607 0 455 170 85 983 92	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441	0.0 9.7 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0 16.0 0	40.3 0.0 47.2 41.7 18.1 27.2 0.0 0.0 0.0 2.0 0.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1
34 35 36 37 38 39 40 41 42 43 44 45 46 47	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	360 0 0 0 0 607 0 455 170 85 983 92 6 16 94	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0	0.0 9.7 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0 16.0 0 0.4 0.1	40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0 0.0 2.0 0.0 1 0.3	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	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	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	360 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0 22	0.0 9.7 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0 16.0 0 0 0.4 0.1 1.3	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 0.0 0.0 2.0 0.0 1 0.3 1.0 0.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	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	360 0 0 0 0 607 0 455 170 85 983 92 6 16 94	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0 22	0.0 9.7 0.0 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0 16.0 0 0.4 0.1 1.3 0.3	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 0.0 0.0 2.0 0.0 1 0.3 1.0 0.0 0.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	Export of HVDC - 765 kV - 400 kV - 132kV	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	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	360 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0 22	0.0 9.7 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0 16.0 0 0 0.4 0.1 1.3	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 0.0 0.0 2.0 0.0 1 0.3 1.0 0.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	Export of HVDC - 765 kV - 400 kV - 132kV	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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	360 0 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37 0	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0 0 22 0 WR-NR	0.0 9.7 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0 16.0 0 0.1 1.3 0.3 0.0 39.0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0 0.0 0.0 1 0.3 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3 0.0 -168.2
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	Export of HVDC - 765 kV - 400 kV - 132kV	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 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	360 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37 0	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0 WR-NR	0.0 9.7 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0 0 0.0 16.0 0 0.4 0.1 1.3 0.3 0.0 0.0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0 2.0 0.0 1 0.3 1.0 0.0 0.0 2.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 0	-40.3 9.7 -47.2 -41.7 -118.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3 0.0 -168.2
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	220 kV 220 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 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	360 0 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37 0	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 55 92 0 WR-NR	0.0 9.7 0.0 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0 0.0 0.4 0.1 1.3 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0 0.0 1 0.3 1.0 0.0 0.0 207.1	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3 0.0 -168.2
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 [Import/F] 52 53 54	220 kV 220 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 GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L SILERU SOLAPUR-RAICHUR	D/C	360 0 0 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37 0	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 4441 555 92 0 WR-NR	0.0 9.7 0.0 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0 16.0 0 0.4 0.1 1.3 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 0.0 0.0 1 0.3 1.0 0.0 0.0 0.0 207.1	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3 0.0 -168.2
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/F 52 53 54 55	220 kV 220 kV 220 kV 400 c 400 kV 2765 kV	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-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	D/C	360 0 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37 0	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0 WR-NR	0.0 9.7 0.0 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0 16.0 0 0.4 0.1 1.3 0.3 0.0 39.0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 0.0 0.0 1 0.3 1.0 0.0 0.0 0.0 207.1 12.9 0.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3 0.0 -168.2
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 (mport/F) 52 53 54 55 56	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 SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHASSUR-L SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	D/C	360 0 0 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37 0	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0 WR-NR 620 0 2202 2215 229	0.0 9.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.4 0.0 16.0 0 0.4 0.1 1.3 0.3 0.0 39.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 0.0 2.0 0.0 1 0.3 1.0 0.0 0.0 207.1 12.9 0.0 29.3 41.2	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3 0.0 -168.2 -12.9 0.0 -29.3 -41.2 3.0
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 (Import/F) 52 53 54 55 56 57	Export of HVDC 765 kV 400 kV 132kV Export of HVDC 765 kV	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-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	D/C	360 0 0 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37 0 0 0 490	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 55 92 0 WR-NR 620 0 2202 2215 229 0	0.0 9.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.4 0.0 16.0 0 0.4 0.1 1.3 0.3 0.0 39.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 0.0 2.0 0.0 0.0 1 0.3 1.0 0.0 0.0 207.1 12.9 0.0 29.3 41.2 0.8 0.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3 0.0 -168.2 -12.9 0.0 -29.3 -41.2 3.0 0.0
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/F 52 53 54 55 56 57 58	220 kV 220 kV 220 kV 400 c 400 kV 2765 kV	WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-HINAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BHADRAWAT	D/C	360 0 0 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37 0	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0 WR-NR	0.0 9.7 0.0 0.0 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0 16.0 0 0.1 1.3 0.3 0.0 39.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0 0.0 1 0.3 1.0 0.0 207.1 12.9 0.0 29.3 41.2 0.8 0.0 0.0	-40.3 9.7 -47.2 -41.7 -118.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3 0.0 -168.2 -12.9 0.0 -29.3 -41.2 3.0 0.0 0.0
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 (Import/F) 52 53 54 55 56 57	Export of HVDC 765 kV 400 kV 132kV Export of HVDC 765 kV	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-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	D/C	360 0 0 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37 0 0 0 490	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0 WR-NR 620 0 2202 2215 229 0 0 76	0.0 9.7 0.0 0.0 0.0 0.0 0.0 9.7 0.0 0.0 0.1 1.4 0.0 16.0 0 0.4 0.1 1.3 0.3 0.0 39.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0 0.0 2.0 0.0 1 0.3 1.0 0.0 207.1 12.9 0.0 29.3 41.2 0.8 0.0 0.0 0.0	-40.3 9.7 -47.2 -41.7 -118.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3 0.0 -168.2 -12.9 0.0 -29.3 -41.2 3.0 0.0 0.0 1.3
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/F 52 53 54 55 56 57 58	Export of HVDC 765 kV 400 kV 132kV Export of HVDC 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-KANKROLI ZERDA-HINMAL 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 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	360 0 0 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37 0 0 0 1 0 0 1 0	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0 WR-NR	0.0 9.7 0.0 0.0 0.0 0.0 0.0 0.0 9.7 0.0 0.1 1.4 0.0 16.0 0 0.1 1.3 0.3 0.0 39.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0 0.0 1 0.3 1.0 0.0 207.1 12.9 0.0 29.3 41.2 0.8 0.0 0.0	-40.3 9.7 -47.2 -41.7 -118.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3 0.0 -168.2 -12.9 0.0 -29.3 -41.2 3.0 0.0 0.0
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	Export of HVDC 765 kV 400 kV 132kV Export of HVDC 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 MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C 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	360 0 0 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37 0 0 0 490 0 1	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0 WR-NR	0.0 9.7 0.0 0.0 0.0 0.0 0.0 9.7 0.0 0.0 0.1 1.4 0.0 16.0 0 0.4 0.1 1.3 0.3 0.0 39.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0 0.0 2.0 0.0 1 0.3 1.0 0.0 207.1 12.9 0.0 29.3 41.2 0.8 0.0 0.0 0.0	-40.3 9.7 -47.2 -41.7 -118.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3 0.0 -168.2 -12.9 0.0 -29.3 -41.2 3.0 0.0 0.0 1.3
34 35 36 37 38 39 40 41 42 43 44 45 50 51 51 55 56 57 58 59	Export of HVDC 765 kV 400 kV 132kV Export of HVDC 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 GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	360 0 0 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37 0 0 0 1 0 0 1 0	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0 WR-NR	0.0 9.7 0.0 0.0 0.0 0.0 0.0 9.7 0.0 0.0 0.1 1.4 0.0 16.0 0 0.4 0.1 1.3 0.3 0.0 39.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0 0.0 2.0 0.0 1 0.3 1.0 0.0 207.1 12.9 0.0 29.3 41.2 0.8 0.0 0.0 0.0	-40.3 9.7 -47.2 -41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3 0.0 -168.2 -12.9 0.0 -29.3 -41.2 3.0 0.0 0.0 1.3 -79.0
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 51 52 53 54 55 56 57 58 59	Export of HVDC 765 kV 400 kV 132kV Export of HVDC 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 MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C 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	360 0 0 0 0 0 0 607 0 455 170 85 983 92 6 16 94 37 0 0 0 1 0 0 1 0	NER-NR 2055 0 2106 2428 1586 893 0 1439 574 92 331 0 441 555 92 0 WR-NR	0.0 9.7 0.0 0.0 0.0 0.0 0.0 9.7 0.0 0.0 0.1 1.4 0.0 16.0 0 0.4 0.1 1.3 0.3 0.0 39.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 40.3 0.0 47.2 41.7 18.1 27.2 0.0 28.0 0.0 0.0 2.0 0.0 1 0.3 1.0 0.0 207.1 12.9 0.0 29.3 41.2 0.8 0.0 0.0 0.0	-40.3 9.7 -47.2 41.7 -18.1 -27.2 9.7 -28.0 0.0 1.4 -2.0 16.0 -1 0.1 -0.9 1.3 0.3 0.0 -168.2 -12.9 0.0 -29.3 -41.2 3.0 0.0 0.0 1.3 -79.0