

## 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: 4<sup>th</sup> Jan 2020

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 03.01.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-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 03<sup>rd</sup> Jan 2020, is available at the NLDC website.

धन्यवाद,

Report for previous day Date of Reporting 4-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)	48361	46147	40722	17382	2290	154902
Peak Shortage (MW)	640	0	0	0	70	710
Energy Met (MU)	985	1069	964	332	40	3390
Hydro Gen (MU)	113	39	102	33	8	295
Wind Gen (MU)	11	35	18			64
Solar Gen (MU)*	27.37	17.10	72.82	1.08	0.00	118
Energy Shortage (MU)	13.3	0.0	0.0	0.0	1.5	14.8
Maximum Demand Met during the day (MW) & time	50223	52494	46349	17458	2409	164606
(from NLDC SCADA)	10:21	11:01	09:19	18:46	17:49	09:19

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	0.048	0.03	1.52	8.76	10.31	74.20	15.49

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	6228	0	121.4	57.8	-1.5	115	0.0
	Haryana	6937	0	132.6	79.7	0.9	196	0.0
	Rajasthan	13864	0	240.4	74.0	-1.7	445	0.0
	Delhi	4728	0	76.6	66.9	-0.9	222	0.1
NR	UP	15709	0	286.8	126.6	-0.7	688	0.7
	Uttarakhand	2081	0	39.2	21.6	-0.1	110	0.0
	HP	1750	0	31.0	24.1	0.1	224	0.0
	J&K(UT) and Ladakh(UT)	2680	670	53.2	46.5	1.3	457	12.6
	Chandigarh	276	0	4.3	4.5	-0.2	5	0.0
	Chhattisgarh	3332	0	68.1	18.9	-2.1	240	0.0
	Gujarat	15469	0	320.7	76.6	1.1	621	0.0
	MP	12778	0	227.4	110.0	-2.7	422	0.0
WR	Maharashtra	20224	0	408.6	129.6	-1.7	425	0.0
WK	Goa	516	0	12.9	10.1	2.4	43	0.0
	DD	326	0	7.2	6.8	0.4	43	0.0
	DNH	786	0	18.6	18.6	0.0	28	0.0
	Essar steel	288	0	5.3	5.5	-0.2	216	0.0
	Andhra Pradesh	8433	0	171.2	65.7	-0.3	370	0.0
	Telangana	9921	0	194.9	110.7	-2.0	326	0.0
SR	Karnataka	12173	0	217.5	61.5	-0.3	763	0.0
Sit	Kerala	3732	0	75.4	55.3	1.1	203	0.0
	Tamil Nadu	14435	0	298.3	170.5	3.0	647	0.0
	Pondy	366	0	7.2	7.4	-0.2	63	0.0
	Bihar	4252	0	76.4	74.7	0.4	105	0.0
	DVC	3071	0	61.4	-30.5	0.0	211	0.0
ER	Jharkhand	1295	0	22.6	19.1	-1.3	92	0.0
	Odisha	3475	0	62.9	1.1	-0.5	215	0.0
	West Bengal	5775	0	106.4	24.1	-1.0	209	0.0
	Sikkim	137	0	2.0	1.6	0.4	56	0.0
	Arunachal Pradesh	121	2	2.2	1.9	0.2	52	0.0
	Assam	1304	43	21.7	18.6	0.7	135	1.0
	Manipur	210	1	2.7	3.0	-0.3	33	0.0
NER	Meghalaya	363	0	6.2	3.2	0.6	67	0.5
	Mizoram	111	2	1.9	1.2	0.3	42	0.0
	Nagaland	124	1	2.3	2.1	0.0	19	0.0
	Tripura	207	2	3.3	1.3	-0.5	24	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.5	-8.9	-7.1
Day peak (MW)	496.7	-493.4	-548.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	241.2	-279.7	128.6	-89.5	-0.3	0.3
Actual(MU)	240.6	-295.6	147.2	-90.2	0.3	2.4
O/D/U/D(MU)	-0.6	-16.0	18.6	-0.6	0.6	2.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4473	16133	7752	2510	732	31599
State Sector	11289	16143	8350	5250	11	41043
Total	15762	32275	16102	7760	743	72642

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	514	1203	479	417	13	2627
Lignite	23	13	49	0	0	86
Hydro	113	39	102	33	8	295
Nuclear	30	27	44	0	0	101
Gas, Naptha & Diesel	29	38	17	0	23	106
RES (Wind, Solar, Biomass & Others)	67	62	136	1	0	267
Total	776	1383	827	451	44	3481

Share of RES in total generation (%)	8.64	4.51	16.45	0.24	0.00	7.66
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.05	9.27	34.11	7.51	18.84	19.03

H. All India Demand Diversity Factor

11 111 India Demand Diversity Luctor		
Based on Regional Max Demands	1.026	
Based on State Max Demands	1.078	

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

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

		IN	TER-REGI	ONAL EXCH	ANGES	Date of 1	Reporting :	4-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)
		ER (With NR)			1			
5	HVDC	ALIPURDUAR-AGRA PUSAULI B/B	S/C	0	501 299	0.0	7.2	-10.8 -7.2
1		GAYA-VARANASI	D/C	20	824	0.0	9.5	-9.5
2	765kV	SASARAM-FATEHPUR	S/C	108	379	0.0	3.1	-3.1
3		GAYA-BALIA	S/C	0	407	0.0	6.8	-6.8
6	_	PUSAULI-VARANASI	S/C	0	253	0.0	7.0	-7.0
7	_	PUSAULI -ALLAHABAD	S/C	0	137	0.0	2.1	-2.1
9	400 kV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	D/C O/C	0	597 867	0.0	3.9 15.5	-3.9 -15.5
10	400 K	BIHARSHARIFF-BALIA	D/C	0	276	0.0	3.0	-3.0
11	1	MOTIHARI-GORAKHPUR	D/C	0	5	0.0	0.0	0.0
12	1	BIHARSHARIFF-VARANASI	D/C	179	234	0.0	0.2	-0.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	92	0.0	1.1	-1.1
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
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
Import/F	Evnort of	FR (With WP)			ER-NR	0.5	52.1	-51.6
	export of	ER (With WR)	1		1			
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	5935	0	20.1	0.0	20.1
19	/05 KV	NEW RANCHI-DHARAMJAIGARH	D/C	641	100	6.1	0.0	6.1
20		JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	D/C Q/C	1000118 445	132 27	0.0 4.3	0.0	0.0 4.3
22	400 kV	RANCHI-SIPAT	Q/C D/C	262	0	3.2	0.0	3.2
23		BUDHIPADAR-RAIGARH	S/C	21	92	0.0	1.0	-1.0
24	220 kV	BUDHIPADAR-KORBA	D/C	209	0	3.2	0.0	3.2
	•	•			ER-WR	36.8	1.0	35.8
Import/E	Export of	ER (With SR)						
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	665.0	0.0	12.3	-12.3
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2466.0	0.0	50.9	-50.9
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2011.0	0.0	39.7	-39.7
28	400 kV	TALCHER-I/C	D/C	0.0	1431.0	0.0	11.2	-11.2
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0 ER-SR	0.0	0.0 102.9	0.0 -102.9
Import/E	Export of	ER (With NER)			231 511	0.0	102.7	-102.5
30	T	BINAGURI-BONGAIGAON	D/C	4	283	0.0	2.9	-3
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	207	102	2.4	0.0	2
32	220 kV	ALIPURDUAR-SALAKATI	D/C	25	55	0.0	0.3	0
					ER-NER	2.4	3.2	-0.7
	Export of	NER (With NR)				0.0		
	T .			0				0.0
33	HVDC	BISWANATH CHARIALI-AGRA	-		0 NED ND	0.0	0.0	
	1	BISWANATH CHARIALI-AGRA	-	-	0 NER-NR	0.0	0.0	0.0
Import/E	1	BISWANATH CHARIALI-AGRA WR (With NR)		0	NER-NR	0.0	0.0	0.0
Import/E	1	BISWANATH CHARIALI-AGRA	D/C	0 448	1700 170			
Import/E	Export of	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA			NER-NR 2305	0.0	<b>0.0</b> 37.5	-37.5
34 35	Export of	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL B/B	D/C D/C	448	2305 299	0.0	37.5 1.9	-37.5 -1.9
34 35 36	Export of	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL B/B  APL -MHG	D/C D/C D/C	448	2305 299 1924	0.0 0.0 0.0 0.0	37.5 1.9 44.0	-37.5 -1.9 -44.0
34 35 36 37 38 39	Export of	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI	D/C D/C D/C D/C D/C D/C D/C D/C	0 0 0 0 0	2305 299 1924 2355 1831 963	0.0 0.0 0.0 0.0 0.0 0.0 0.0	37.5 1.9 44.0 43.3 19.2 28.4	-37.5 -1.9 -44.0 -43.3 -19.2 -28.4
34 35 36 37 38 39 40	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	D/C D/C D/C D/C D/C D/C S/C	448 0 0 0 0 0 0 625	2305 299 1924 2355 1831 963 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 37.5 1.9 44.0 43.3 19.2 28.4 0.0	-37.5 -1.9 -44.0 -43.3 -19.2 -28.4 11.4
34 35 36 37 38 39 40	Export of HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL B/B  APL-MHG  GWALIOR-AGRA  PHAGG-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI	D/C D/C D/C D/C D/C D/C S/C S/C	448 0 0 0 0 0 0 625 0	2305 299 1924 2355 1831 963 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5	-37.5 -1.9 -44.0 -43.3 -19.2 -28.4 11.4 -29.5
34 35 36 37 38 39 40 41	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  CHITTORGARH-BANASKANTHA	D/C D/C D/C D/C D/C D/C D/C S/C S/C D/C	448 0 0 0 0 0 625 0 196	2305 299 1924 2355 1831 963 0 1489 784	0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0	37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5 3.4	-37.5 -1.9 -44.0 -43.3 -19.2 -28.4 11.4 -29.5 -2.6
34 35 36 37 38 39 40 41 42 43	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  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	448 0 0 0 0 0 625 0 196 158	2305 299 1924 2355 1831 963 0 1489 784	0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9	37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0	-37.5 -1.9 -44.0 -43.3 -19.2 -28.4 11.4 -29.5 -2.6 0.9
34 35 36 37 38 39 40 41 42 43	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  CHITTORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA -BHINMAL	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C	448 0 0 0 0 625 0 196 158 212	2305 299 1924 2355 1831 963 0 1489 784 148	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0	-37.5 -1.9 -44.0 -43.3 -19.2 -28.4 -11.4 -29.5 -2.6 0.9 -1.7
34 35 36 37 38 39 40 41 42 43 44	Export of HVDC - 765 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL-MHG  GWALIOR-AGRA  PHAGI-GWALIOR  IABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITTORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA -BHINMAL  V'CHAL -RIHAND	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C	448 0 0 0 0 0 625 0 196 158 212 983	2305 299 1924 2355 1831 963 0 1489 784 148 371	0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7	37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0	-37.5 -1.9 -44.0 -43.3 -19.2 -28.4 -11.4 -29.5 -2.6 0.9 -1.7 -21.7
34 35 36 37 38 39 40 41 42 43	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  CHITTORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA -BHINMAL  V'CHAL -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	448 0 0 0 0 625 0 196 158 212	2305 299 1924 2355 1831 963 0 1489 784 148	0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7	37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0	-37.5 -1.9 -44.0 -43.3 -19.2 -28.4 -11.4 -29.5 -2.6 0.9 -1.7
34 35 36 37 38 39 40 41 42 43 44 45	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  CHITTORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA -BHINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-RANPUR	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C	448 0 0 0 0 625 0 196 158 212 983 166	2305 299 1924 2355 1831 963 0 1489 784 148 371 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7	37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0	-37.5 -1.9 -44.0 -43.3 -19.2 -28.4 -11.4 -29.5 -2.6 0.9 -1.7 -21.7
34 35 36 37 38 39 40 41 42 43 44 45 46 47	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  CHITTORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA -BHINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR	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	448 0 0 0 0 625 0 196 158 212 983 166 9	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408	0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0	37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 1	-37.5 -1.9 -44.0 -43.3 -19.2 -28.4 11.4 -29.5 -2.6 0.9 -1.7 21.7 -1 0.2
34 35 36 37 38 39 40 41 42 43 44 45 46 47	HVDC  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  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	448 0 0 0 0 625 0 196 158 212 983 166 9 24	2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91	0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0	0.0 37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 1 0.3 1.0	-37.5 -1.9 -44.0 -43.3 -19.2 -28.4 11.4 -29.5 -2.6 0.9 -1.7 -1,7 -1 0.2 -1.0
34 35 36 37 38 39 40 41 42 43 44 45 46 47	HVDC  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  CHITTORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA -BHINMAL  VCHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-RANPUR  BHANPURA-MORAK  MEHGAON-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	448 0 0 0 0 625 0 196 158 212 983 166 9 24 103	2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1	37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 1 0.3 1.0	-37.5 -1.9 -44.0 -43.3 -19.2 -28.4 -11.4 -29.5 -2.6 -0.9 -1.7 -1 -1 -0.2 -1.0 -1.4
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	Export of  HVDC  - 765 kV  - 400 kV  - 132kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  ZERDA-KANKROLI  ZERDA-KANKROLI  ZERDA-BHINMAL  V'CHAL-RIHAND  RAPP-SHUJALPUR  BHANPURA-RANPUR  BHANPURA-MORAK  MEHGAON-AURAIYA  GWALIOR-SAWAI MADHOPUR	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	448 0 0 0 0 625 0 196 158 212 983 166 9 24 103 45	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91 118 0 20	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1 1.4 0.4	37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 1 0.3 1.0 0.0	0.0  -37.5 -1.9 -44.0 -43.3 -19.2 -28.4 11.4 -29.5 -2.6 0.9 -1.7 -11 0.2 -1.0 1.4 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	BISWANATH CHARIALI-AGRA  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-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	448 0 0 0 0 625 0 196 158 212 983 166 9 24 103 45 0	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91 118 0 20 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1 1.4 0.4 0.0 37.2	0.0 37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 1 0.3 1.0 0.0 0.0 0.0 210.9	0.0  -37.5 -1.9 -44.0 -43.3 -19.2 -28.4 -11.4 -29.5 -2.6 -0.9 -1.7 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
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	BISWANATH CHARIALI-AGRA  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	448 0 0 0 0 625 0 196 158 212 983 166 9 24 103 45 0	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91 118 0 20 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1 1.4 0.4 0.0 37.2	0.0  37.5 1.9  44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 1 0.3 1.0 0.0 0.0 210.9	0.0  -37.5  -1.9  -44.0  -43.3  -19.2  -28.4  11.4  -29.5  -2.6  0.9  -1.7  21.7  -1  0.2  -1.0  1.4  0.3  0.0  -173.7
Section   Sect	Export of  HVDC  765 kV  400 kV  220 kV	BISWANATH CHARIALI-AGRA  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	448 0 0 0 0 0 625 0 196 158 212 983 166 9 24 103 45 0	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91 118 0 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1 1.4 0.4 0.0 37.2	0.0  37.5 1.9  44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 0.3 1.0 0.0 0.0 210.9	0.0  -37.5 -1.9 -44.0 -43.3 -19.2 -28.4 11.4 -29.5 -2.6 0.9 -1.7 -1 0.2 -1.0 1.4 0.3 0.0 -173.7
Section   Sect	Export of  HVDC  765 kV  400 kV  220 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL B/B  APL-MHG  GWALIOR-AGRA  PHAGG-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  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	448 0 0 0 0 625 0 196 158 212 983 166 9 24 103 45 0	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91 118 0 20 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1 1.4 0.4 0.0 37.2	0.0  37.5 1.9  44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 0.0 0.0 0.0 210.9	0.0  -37.5 -1.9 -44.0 -43.3 -19.2 -28.4 11.4 -29.5 -2.6 0.9 -1.7 -1 0.2 -1.0 1.4 0.3 0.0 -173.7
Import/F  34  35  36  37  38  39  40  41  42  43  44  45  50  51  Import/F  52  53  54  55	220 kV 220 kV 220 kV 400 c 400 kV 2765 kV	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  VCHAL B/B  APL-MHG  GWALIOR-AGRA  PHAGI-GWALIOR  JABALPUR-ORAI  GWALIOR-ORAI  SATNA-ORAI  CHITTORGARI-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	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	448 0 0 0 0 625 0 196 158 212 983 166 9 24 103 45 0	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91 118 0 20 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1 1.4 0.4 0.0 37.2	0.0  37.5 1.9  44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 1 0.3 1.0 0.0 0.0 210.9	0.0  -37.5 -1.9 -44.0 -43.3 -19.2 -28.4 11.4 -29.5 -2.6 0.9 -1.7 -1 0.2 -1.0 1.4 0.3 0.0 -173.7
Import/F  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51  Import/F  52  53  54	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  CHITTORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA -BHINMAL  VCHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-RANPUR  BHANPURA-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHASUR-LSILERU  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 S/C S	448 0 0 0 0 625 0 196 158 212 983 166 9 24 103 45 0	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91 118 0 20 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1 1.4 0.4 0.0 37.2	0.0  37.5  1.9  44.0  43.3  19.2  28.4  0.0  29.5  3.4  0.0  1.7  0.0  1  0.3  1.0  0.0  0.0  210.9	0.0  -37.5 -1.9 -44.0 -43.3 -19.2 -28.4 -11.4 -29.5 -2.6 -0.9 -1.7 -1 -1 -0.2 -1.0 -1.4 -0.3 -0.0 -173.7  -9.6 -0.0 -35.7 -46.2 -5.6
Import/F  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	BISWANATH CHARIALI-AGRA  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-KANKROLI  ZERDA-HINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-RANPUR  BHANPURA-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHANBAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMBAD  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 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	448 0 0 0 0 0 0 0 625 0 196 158 212 983 166 9 24 103 45 0 0 0 0 709	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91 118 0 20 0 WR-NR  515 0 2402 2613 60 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1 1.4 0.4 0.0 37.2	0.0  37.5 1.9  44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 0.0 0.0 210.9  9.6 0.0 35.7 46.2 0.0 0.0	0.0  -37.5 -1.9 -44.0 -43.3 -19.2 -28.4 -11.4 -29.5 -2.6 -0.9 -1.7 -1.7 -1 -1.0 -1.4 -0.3 -0.0 -173.7  -9.6 -0.0 -35.7 -46.2 -5.6 -0.0
Import/F  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  58	220 kV 220 kV 220 kV 400 c 400 kV 2765 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  CHITTORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA-BHINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-RANPUR  BHANPURA-RANPUR  BHANPURA-WANIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMBAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI	D/C	448 0 0 0 0 0 0 625 0 196 158 212 983 166 9 24 103 45 0 0 0 0 0 709	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91 118 0 20 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1 1.4 0.0 37.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0  37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 0.0 210.9 9.6 0.0 35.7 46.2 0.0 0.0 0.0 0.0	0.0  -37.5 -1.9 -44.0 -43.3 -19.2 -28.4 -11.4 -29.5 -2.6 -0.9 -1.7 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
Mport/F  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	Export of  HVDC  765 kV  400 kV  132kV  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  CHITTORGARH-BANASKANTHA  ZERDA-KANKROLI  ZERDA-KANKROLI  ZERDA-HINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-RANPUR  BHANPURA-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHANBAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMBAD  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 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	448 0 0 0 0 0 0 0 625 0 196 158 212 983 166 9 24 103 45 0 0 0 0 709	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91 118 0 20 0 WR-NR  515 0 2402 2613 60 0 0 81	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1 1.4 0.4 0.0 37.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.5	0.0  37.5 1.9  44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 0.0 210.9  9.6 0.0 35.7 46.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0  -37.5 -1.9 -44.0 -43.3 -19.2 -28.4 -11.4 -29.5 -2.6 -0.9 -1.7 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
mport/F 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	BISWANATH CHARIALI-AGRA  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  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  XELDEM-AMBEWADI  XELDEM-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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	448 0 0 0 0 0 0 0 625 0 196 158 212 983 166 9 24 103 45 0 0 0 0 0 0 0 709 0 2 0	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91 118 0 20 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1 1.4 0.0 37.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0  37.5 1.9 44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 0.0 210.9 9.6 0.0 35.7 46.2 0.0 0.0 0.0 0.0	0.0  -37.5 -1.9 -44.0 -43.3 -19.2 -28.4 -11.4 -29.5 -2.6 -0.9 -1.7 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
mport/F  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51  mport/F  52  53  54  55  57  58  59	Export of  HVDC  765 kV  400 kV  132kV  Export of  HVDC  765 kV  400 kV	BISWANATH CHARIALI-AGRA  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  SOLAPUR-RAICHUR  WARDHA-NICAMABAD  KOLHAPUR-KUDGI  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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	448 0 0 0 0 0 0 625 0 196 158 212 983 166 9 24 103 45 0 0 0 0 0 709	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91 118 0 20 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1 1.4 0.4 0.0 37.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.5	0.0  37.5 1.9  44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 0.0 210.9  9.6 0.0 35.7 46.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0  -37.5 -1.9 -44.0 -43.3 -19.2 -28.4 -11.4 -29.5 -2.6 -0.9 -1.7 -1.0 -1.0 -1.0 -1.7 -1.0 -1.0 -1.7 -1.0 -1.0 -1.7 -1.0 -1.5 -5.6 -0.0 -0.0 -1.5 -84.3
mport/F 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  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  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  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  XELDEM-AMBEWADI  XELDEM-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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	448 0 0 0 0 0 0 0 625 0 196 158 212 983 166 9 24 103 45 0 0 0 0 0 0 0 709 0 2 0	NER-NR  2305 299 1924 2355 1831 963 0 1489 784 148 371 0 408 91 118 0 20 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.8 0.9 0.0 21.7 0 0.5 0.1 1.4 0.4 0.0 37.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.5	0.0  37.5 1.9  44.0 43.3 19.2 28.4 0.0 29.5 3.4 0.0 1.7 0.0 0.0 210.9  9.6 0.0 35.7 46.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0  -37.5 -1.9 -44.0 -43.3 -19.2 -28.4 -11.4 -29.5 -2.6 -0.9 -1.7 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1