

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)
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बी-9, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 11th Dec 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 10.12.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-दिसम्बर-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 10^{th} Dec 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 11-Dec-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)	45092	49133	38185	18102	2212	152724
Peak Shortage (MW)	522	0	0	0	35	557
Energy Met (MU)	894	1165	888	350	38	3335
Hydro Gen (MU)	127	56	92	44	9	328
Wind Gen (MU)	4	23	37			63
Solar Gen (MU)*	27.52	20	74.08	1.86	0.03	123
Energy Shortage (MU)	12.0	0.0	0.0	0.0	0.3	12.3
Maximum Demand Met during the day (MW) & time	46088	54747	40969	18280	2312	155854
(from NLDC SCADA)	18:20	11:04	08:12	18:39	17:25	18:24

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	0.042	0.00	1.34	7.34	8.68	80.75	10.57

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	5965	0	114.1	52.2	-1.2	156	0.0
	Haryana	6160	0	122.1	98.4	0.3	162	0.0
	Rajasthan	12474	0	228.8	73.7	2.5	486	0.0
	Delhi	3607	0	62.9	53.0	-1.0	191	0.0
NR	UP	13933	0	249.2	100.1	0.6	790	0.8
	Uttarakhand	1926	0	36.1	19.4	0.8	162	0.1
	HP	1646	0	29.7	21.7	0.7	268	0.0
	J&K(UT) and Ladakh(UT)	2392	598	47.2	40.1	0.8	201	11.2
	Chandigarh	216	0	3.5	3.4	0.2	39	0.0
	Chhattisgarh	3508	0	74.4	16.7	-1.1	162	0.0
	Gujarat	15620	0	335.5	92.0	3.4	502	0.0
	MP	13750	0	256.0	146.3	-2.3	419	0.0
WR	Maharashtra	22074	0	454.0	132.6	-4.6	833	0.0
WK	Goa	541	0	12.8	11.7	0.5	53	0.0
	DD	330	0	7.4	6.8	0.6	53	0.0
	DNH	819	0	19.0	19.0	0.0	40	0.0
	Essar steel	291	0	5.9	5.5	0.4	295	0.0
	Andhra Pradesh	7624	0	159.7	74.7	-1.1	288	0.0
	Telangana	9253	0	187.2	83.2	0.0	418	0.0
SR	Karnataka	10096	0	188.0	45.2	-0.1	1048	0.0
3N	Kerala	3523	0	71.5	53.5	1.2	202	0.0
	Tamil Nadu	13379	0	274.8	159.1	2.9	1025	0.0
	Pondy	362	0	7.2	7.4	-0.3	25	0.0
	Bihar	3948	0	70.3	66.4	0.9	110	0.0
	DVC	3019	0	62.6	-35.0	-0.1	150	0.0
ER	Jharkhand	1201	0	24.5	16.0	-0.1	31	0.0
EN	Odisha	4027	0	76.7	11.6	0.5	200	0.0
	West Bengal	6327	0	114.3	25.6	-1.1	120	0.0
	Sikkim	108	0	1.8	1.6	0.2	25	0.0
	Arunachal Pradesh	121	2	2.1	2.0	-0.1	56	0.0
	Assam	1194	24	20.0	15.0	0.0	115	0.2
	Manipur	182	3	2.5	2.9	-0.3	24	0.0
NER	Meghalaya	364	0	6.0	2.9	0.4	62	0.0
	Mizoram	98	1	1.7	0.9	0.2	26	0.0
	Nagaland	123	2	2.1	2.2	-0.3	31	0.0
	Tripura	216	1	3.4	1.6	-0.4	26	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	6.2	-5.4	-9.7
Day peak (MW)	449.6	-344.6	-744.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	210.2	-203.7	93.0	-96.4	-3.2	0.0
Actual(MU)	209.9	-199.8	97.8	-98.5	-6.0	3.3
O/D/U/D(MU)	-0.4	3.9	4.7	-2.2	-2.8	3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6074	18878	7362	2745	597	35656
State Sector	13561	16087	11060	6300	11	47019
Total	19635	34964	18422	9045	608	82674

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	456	1192	441	420	14	2523
Lignite	23	17	43	0	0	82
Hydro	127	56	92	44	9	328
Nuclear	23	26	57	0	0	106
Gas, Naptha & Diesel	24	45	15	0	25	109
RES (Wind, Solar, Biomass & Others)	57	47	152	2	0	259
Total	711	1383	800	466	48	3407

Share of RES in total generation (%)	8.05	3.42	19.03	0.41	0.06	7.59
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.16	9.35	37.65	9.83	19.03	20.33

H. All India Demand Diversity Factor

11 111 India Demand Diversity Luctor		
Based on Regional Max Demands	1.042	
Based on State Max Demands	1.093	

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 EXCH	ANGES	Date of l	Reporting :	11-Dec-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)
_	Export of	ER (With NR)						
5	HVDC	ALIPURDUAR-AGRA PUSAULI B/B	S/C	0	501 196	0.0	6.9 4.9	-6.9 -4.9
1		GAYA-VARANASI	D/C	0	794	0.0	13.0	-13.0
2	765kV	SASARAM-FATEHPUR	S/C	0	177	0.0	6.6	-6.6
3		GAYA-BALIA	S/C	0	391	0.0	7.5	-7.5
6 7	1	PUSAULI-VARANASI PUSAULI -ALLAHABAD	S/C S/C	0	136 127	0.0	2.5	-2.5 -2.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	900	0.0	12.1	-12.1
9	400 kV	PATNA-BALIA	Q/C	0	867	0.0	17.1	-17.1
10		BIHARSHARIFF-BALIA	D/C	0	371	0.0	6.0	-6.0
11		MOTIHARI-GORAKHPUR	D/C	3	5	0.0	0.0	0.0
12	220 kV	BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI	D/C S/C	18	346 120	0.0	4.1 0.9	-4.1 -0.9
14	220 11 1	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.3	0.0	0.3
16	132 KV	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/E	Export of	ER (With WR)			ER-NR	0.3	72.0	-71.6
_	Aport Ol	<u> </u>	0/0	076		10.0	0.0	10.0
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	976	0	12.0	0.0	12.0
19 20	1	NEW RANCHI-DHARAMJAIGARH JHARSUGUDA-DURG	D/C D/C	421 54	315 188	0.6	2.0	0.6 -2.0
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	252	103	2.0	0.0	2.0
22	400 KV	RANCHI-SIPAT	D/C	181	81	1.0	0.0	1.0
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	133	0.0	2.0	-2.0
24		BUDHIPADAR-KORBA	D/C	103	0 ER-WR	1.4 17.0	0.0 4.0	1.4
Import/E	Export of	ER (With SR)			ER-WK	17.0	4.0	13.0
26		JEYPORE-GAZUWAKA B/B	D/C	0.0	533.0	0.0	12.3	-12.3
27	HVDC	TALCHER-KOLAR BIPOLE	D/C	0.0	1974.0	0.0	37.2	-37.2
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1778.0	0.0	34.3	-34.3
28	400 kV	TALCHER-I/C	D/C	660.0	229.0	5.3	0.0	5.3
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0 ER-SR	0.0	0.0 83.8	0.0 -83.8
Import/E	Export of	ER (With NER)			DA DA	0.0	05.0	-03.0
30	400 kV	BINAGURI-BONGAIGAON	D/C	368	203	1.7	0.0	2
31	400 K V	ALIPURDUAR-BONGAIGAON	D/C	424	0	5.6	0.0	6
22	220 - **			77				
32	220 kV	ALIPURDUAR-SALAKATI	D/C	- //	36	0.7	0.0	1
	ı		D/C		36 ER-NER	0.7 8.0	0.0	1 8.0
	ı	ALIPURDUAR-SALAKATI NER (With NR) BISWANATH CHARIALI-AGRA	D/C	480				
Import/E	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA	D/C		ER-NER	2.9	0.0	8.0
Import/E 33	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR)	-	480	ER-NER 0 NER-NR	2.9 2.9	0.0	2.9 2.9
Import/E 33 Import/E 34	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	- D/C	480	0 NER-NR	2.9 2.9 2.9	0.0 0.0 0.0	2.9 2.9 -16.0
Import/E 33 Import/E 34 35	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B	- D/C D/C	480 0 451	0 NER-NR 848 0	2.9 2.9 0.0 9.5	0.0 0.0 0.0	2.9 2.9 2.9 -16.0 9.5
Import/E 33 Import/E 34	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG	D/C D/C D/C	480	0 NER-NR 848 0 1364	2.9 2.9 2.9	0.0 0.0 0.0 16.0 0.0 33.9	2.9 2.9 2.9 -16.0 9.5 -33.9
33 Import/E 34 35 36	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B	- D/C D/C	480 0 451 0	0 NER-NR 848 0	2.9 2.9 0.0 9.5 0.0	0.0 0.0 0.0	2.9 2.9 2.9 -16.0 9.5
Import/E 33 Import/E 34 35 36 37	Export of HVDC HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA	D/C D/C D/C D/C	480 0 451 0	848 0 1364 2118	2.9 2.9 2.9 0.0 9.5 0.0 0.0	0.0 0.0 0.0 16.0 0.0 33.9 35.6	2.9 2.9 -16.0 9.5 -33.9 -35.6
Import/E 33 Import/E 34 35 36 37 38 39 40	Export of HVDC	NER (With NR) 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 D/C S/C	480 0 451 0 0 0 0 0 685	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0	2.9 2.9 2.9 0.0 9.5 0.0 0.0 0.0 0.0 10.3	0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5	2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3
Import/E 33 Import/E 34 35 36 37 38 39 40 41	Export of HVDC HVDC	NER (With NR) 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 D/C S/C S/C	480 0 451 0 0 0 0 0 0 685 0	848 0 1364 2118 1700 710 0 1322	2.9 2.9 2.9 0.0 9.5 0.0 0.0 0.0 10.3 0.0	0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6	2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42	Export of HVDC HVDC	NER (With NR) 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	D/C D/C D/C D/C D/C D/C S/C S/C D/C	480 0 451 0 0 0 0 0 685 0	848 0 1364 2118 1700 710 0 1322 716	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 10.3 0.0 0.0	0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6	2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6
Import/E 33 Import/E 34 35 36 37 38 39 40 41	Export of HVDC Export of HVDC - 765 kV	NER (With NR) 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 D/C S/C S/C	480 0 451 0 0 0 0 0 0 685 0	848 0 1364 2118 1700 710 0 1322	2.9 2.9 2.9 0.0 9.5 0.0 0.0 0.0 10.3 0.0	0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6	2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43	Export of HVDC HVDC	NER (With NR) 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	480 0 451 0 0 0 0 0 685 0 0 92	848 0 1364 2118 1700 710 0 1322 716	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 10.3 0.0 0.0	0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1	2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44	Export of HVDC Export of HVDC - 765 kV	NER (With NR) 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	480 0 451 0 0 0 0 685 0 0 92 63	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 10.3 0.0 0.0 0.0 0.0 22.8	0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0	2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Export of HVDC Export of HVDC - 765 kV	NER (With NR) 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	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	480 0 451 0 0 0 0 685 0 0 92 63 981 161 16	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74	8.0 2.9 2.9 9.5 0.0 0.0 0.0 0.0 10.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Export of HVDC Export of HVDC - 765 kV	NER (With NR) 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	480 0 451 0 0 0 0 0 0 685 0 92 63 981 161 16 0	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74 136	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 10.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0.0 0.0 1.4	2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	Export of HVDC Export of HVDC 765 kV	NER (With NR) 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	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	480 0 451 0 0 0 0 0 0 685 0 0 92 63 981 161 16 0 125	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74 136 0	8.0 2.9 2.9 2.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0.0 0.0 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.9 2.9 2.9 2.9 3.5.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Export of HVDC Export of HVDC 765 kV	NER (With NR) 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-BHISMAL 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	480 0 451 0 0 0 0 0 0 685 0 92 63 981 161 16 0	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74 136	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 10.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0.0 0.0 1.4	2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	Export of HVDC Export of HVDC 765 kV	NER (With NR) 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	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	480 0 451 0 0 0 0 0 0 0 0 685 0 0 92 63 981 161 16 0 125 77	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 13322 716 128 374 0 220 74 136 0 20	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	8.0 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4 1.3 0.6
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	Export of HVDC Export of HVDC 765 kV 400 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI 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	480 0 451 0 0 0 0 0 0 685 0 0 92 63 981 161 16 0 125 77	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74 136 0 20 0 WR-NR	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 0.0 10.3 0.0 0.0 0.0 0.0 22.8 0 0.9 0.0 1.3 0.6 0.0 45.3	0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0.0 1.4 0.0 0.0 1.75.1	8.0 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4 1.3 0.6 0.0 -129.9
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E	Export of HVDC Export of HVDC 765 kV 400 kV	NER (With NR) 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	480 0 451 0 0 0 0 0 0 685 0 0 92 63 981 161 16 0 125 77 0	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74 136 0 WR-NR	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 10.3 0.0 0.0 0.0 22.8 0 0.9 0.0 1.3 0.6 0.0 45.3	0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0.0 1.4 0.0 0.0 1.4 0.0 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	8.0 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4 1.3 0.6 0.0 -129.9
Import/E 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	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of	NER (With NR) 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	480 0 451 0 0 0 0 0 0 685 0 0 92 63 981 161 16 0 125 77 0	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74 136 0 20 0 WR-NR	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 10.3 0.0 0.0 0.0 22.8 0 0.9 0.0 1.3 0.6 0.0 45.3	0.0 0.0 0.0 0.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0.0 1.4 0.0 0.0 1.4 0.0 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	8.0 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4 1.3 0.6 0.0 -129.9
Import/E 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	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-BHISMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAI 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	480 0 451 0 0 0 0 0 0 0 685 0 0 92 63 981 161 16 0 125 77 0	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74 136 0 0 WR-NR 809 0 1733	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 10.3 0.0 0.0 0.0 22.8 0 0.9 0.0 1.3 0.6 0.0 45.3	0.0 0.0 0.0 0.0 0.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0.0 1.4 0.0 0.0 1.4 0.0 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4 1.3 0.6 0.0 -129.9
Import/E 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	Export of HVDC Export of HVDC 765 kV 220 kV 132kV Export of HVDC 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATTA-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	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 D/C S/C S/C S/C D/C S/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	480 0 451 0 0 0 0 0 0 0 685 0 0 92 63 981 161 16 0 125 77 0 0 0 0 522	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 13322 716 128 374 0 220 74 136 0 20 0 WR-NR 809 0 1733 2259	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0.0 1.4 0.0 0.0 1.4 0.0 1.4 0.0 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	8.0 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4 1.3 0.6 0.0 -129.9
Import/E 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	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-BHISMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAI 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	480 0 451 0 0 0 0 0 0 0 685 0 0 92 63 981 161 16 0 125 77 0	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74 136 0 0 WR-NR 809 0 1733	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 10.3 0.0 0.0 0.0 22.8 0 0.9 0.0 1.3 0.6 0.0 45.3	0.0 0.0 0.0 0.0 0.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0.0 1.4 0.0 0.0 1.4 0.0 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4 1.3 0.6 0.0 -129.9
Import/E 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	Export of HVDC Export of HVDC 765 kV 220 kV 132kV Export of HVDC 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B'B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJAL-PUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	D/C D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	480 0 451 0 0 0 0 0 0 0 685 0 0 92 63 981 161 16 0 125 77 0 0 0 522 1355	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74 136 0 20 0 WR-NR 809 0 1733 2259 83	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 0.0 10.3 0.0 0.0 0.0 22.8 0 0.9 0.0 1.3 0.6 0.0 45.3	0.0 0.0 0.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 0.1 3.0 0.0 0.0 1.4 0.0 0.0 1.4 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	8.0 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4 1.3 0.6 0.0 -129.9
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA 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-RANPUR BHANPURA-WANDUR 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 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	0 451 0 0 0 0 0 0 685 0 0 92 63 981 161 16 0 125 77 0	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74 136 0 20 0 WR-NR 809 0 1733 2259 83 0	8.0 2.9 2.9 0.0 9.5 0.0 0.0 0.0 10.3 0.0 0.0 22.8 0 0.9 0.0 1.3 0.6 0.0 45.3	0.0 0.0 0.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 0.1 3.0 0.0 0.0 1.4 0.0 0.0 1.4 1.3.4 0.0 1.4.2 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	8.0 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4 1.3 0.6 0.0 -129.9 -13.4 0.0 -14.2 -32.6 10.6 0.0
Import/E 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	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA 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-RANPUR BHANPURA-WALIANIANA GWALIOR-SAWAI MADHOPUR WR (With SR) BHANDRAWATI 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	480 0 451 0 0 0 0 0 0 0 685 0 0 92 63 981 161 16 0 125 77 0 0 0 522 1355 719 0 0	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74 136 0 20 0 WR-NR 809 0 1733 2259 83 0 79	8.0 2.9 2.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0.0 0.0 1.4 0.0 0.0 175.1 13.4 0.0 14.2 0.0 14.2 0.0 15.2 16.2	8.0 2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4 1.3 0.6 0.0 -129.9 -13.4 0.0 -14.2 -32.6 10.6 0.0 -1.2
Import/E 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	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA 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-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	480 0 451 0 0 0 0 0 0 0 685 0 0 92 63 981 161 16 0 125 77 0 0 0 522 1355 719 0 0	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74 136 0 20 0 WR-NR 809 0 1733 2259 83 0 79 88 WR-SR	8.0 2.9 2.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0.0 1.4 0.0 0.0 175.1 13.4 0.0 14.2 32.6 0.0 0.0 1.2 0.0	8.0 2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4 1.3 0.6 0.0 -129.9 -13.4 0.0 -14.2 -32.6 10.6 0.0 -1.2 1.4 -49.3
Import/E 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	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA 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-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	480 0 451 0 0 0 0 0 0 685 0 0 92 63 981 161 16 0 125 77 0 0 0 522 1355 719 0 0 0	ER-NER 0 NER-NR 848 0 1364 2118 1700 710 0 1322 716 128 374 0 220 74 136 0 20 0 WR-NR 809 0 1733 2259 83 0 79 88 WR-SR	8.0 2.9 2.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 16.0 0.0 33.9 35.6 25.1 26.5 0.0 28.6 4.6 0.1 3.0 0.0 0.0 1.4 0.0 0.0 175.1 13.4 0.0 14.2 32.6 0.0 0.0 1.2 0.0	8.0 2.9 2.9 2.9 -16.0 9.5 -33.9 -35.6 -25.1 -26.5 10.3 -28.6 -4.6 -0.1 -3.0 22.8 0 0.9 -1.4 1.3 0.6 0.0 -129.9 -13.4 0.0 -14.2 -32.6 10.6 0.0 -1.2 1.4