

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम) B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016 बी-9, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 21st Apr 2019

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. मुख्य महाप्रबंधक , ऊ. पू. क्षे. भा. प्रे. के. , डोंगतिएह , लोअर नोंग्रह , लापलंग , शिलोंग ७९३००६ Chief General Manager, 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 20.04.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-२०१० की धारा स.-5.5.१ के प्रावधान के अनुसार, दिनांक २०-अप्रैल-२०१९ 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 20th April 2019, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day Date of Reporting 21-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	45216	48453	40518	21104	2161	157452
Peak Shortage (MW)	539	0	0	0	436	975
Energy Met (MU)	923	1197	999	427	40	3586
Hydro Gen (MU)	182	45	66	50	5	348
Wind Gen (MU)	4	54	35			93
Solar Gen (MU)*	28.17	28.3	84.67	1.10	0.04	142
Energy Shortage (MU)	10.6	0.0	0.0	0.0	3.6	14.2
Maximum Demand Met during the day	46096	53083	44437	21524	2143	159415
(MW) & time (from NLDC SCADA)	10.42	15.22	14.56	10-15	18-13	10.21

B. Frequency Profile (%)
Region
All India <49.7 49.7-49.8 49.8-49.9 49.9-50.05 > 50.05 0.034 0.00 0.07 79.11 14.34

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	5462	0	112.8	44.4	-1.3	24	0.0
	Haryana	6481	0	116.2	83.9	0.2	485	0.0
	Rajasthan	8423	0	187.2	61.5	-1.3	282	0.0
NR	Delhi	3696	0	78.7	65.6	-1.5	98	0.0
	UP	16703	0	315.6	145.7	-1.2	528	0.0
	Uttarakhand	1779	0	38.1	16.9	0.4	137	0.0
	HP	1355	0	26.1	9.3	0.1	73	0.0
	J&K	2168	542	44.7	28.0	-0.8	100	10.6
	Chandigarh	181	0	3.5	3.9	-0.4	42	0.0
	Chhattisgarh	4267	0	95.6	43.7	-3.5	306	0.0
	Gujarat	16367	0	367.5	118.1	2.4	615	0.0
WR	MP	8835	0	200.5	89.0	-0.8	343	0.0
	Maharashtra	22045	0	487.4	149.7	-1.6	426	0.0
	Goa	548	0	13.8	11.0	2.6	36	0.0
	DD	333	0	7.5	7.3	0.2	25	0.0
	DNH	789	0	18.4	18.5	-0.1	47	0.0
	Essar steel	301	0	5.8	5.5	0.3	303	0.0
	Andhra Pradesh	9023	0	187.8	60.2	0.1	688	0.0
	Telangana	7977	0	167.9	65.9	-0.7	567	0.0
SR	Karnataka	11597	0	228.6	67.8	-0.2	479	0.0
3N	Kerala	3577	0	74.9	56.6	0.9	307	0.0
	Tamil Nadu	14356	0	330.5	193.7	-0.8	600	0.0
	Pondy	427	0	9.2	9.1	0.1	37	0.0
	Bihar	4831	0	89.8	84.1	1.7	385	0.0
	DVC	3223	0	69.3	-48.0	-0.5	320	0.0
ER	Jharkhand	1093	0	22.6	13.2	-0.4	165	0.0
EN	Odisha	4025	0	79.9	27.0	-0.2	345	0.0
	West Bengal	8780	0	164.3	47.3	2.3	425	0.0
	Sikkim	95	0	1.2	1.2	0.0	20	0.0
	Arunachal Pradesh	106	3	2.1	2.2	0.0	34	0.0
	Assam	1154	306	23.8	20.2	0.4	146	2.7
	Manipur	162	4	1.8	1.6	0.2	66	0.0
NER	Meghalaya	343	32	5.3	2.7	0.2	95	0.7
	Mizoram	98	3	1.6	1.1	0.3	42	0.0
	Nagaland	124	4	2.2	1.9	0.3	25	0.0
	Tripura	242	8	3.6	3.3	-0.3	69	0.2

 $\textbf{D. Transnational Exchanges} \ \ (\textbf{MU}) \textbf{-} \textbf{Import} (+\textbf{ve}) / \textbf{Export} (-\textbf{ve})$

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.2	-8.2	-19.2
Day peak (MW)	525.8	-485.1	-1013.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	169.5	-247.5	150.4	-73.7	1.0	-0.4
Actual(MU)	157.9	-253.5	160.8	-72.9	7.5	-0.2
O/D/U/D(MU)	-11.6	-6.0	10.4	0.8	6.5	0.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5266	11287	7762	1560	497	26372
State Sector	13130	14403	6720	2175	50	36478
Total	18396	25690	14482	3735	547	62849

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	461	1235	522	474	10	2702
Lignite	17	16	53	0	0	86
Hydro	182	45	66	50	5	348
Nuclear	28	31	37	0	0	96
Gas, Naptha & Diesel	29	50	16	0	21	115
RES (Wind, Solar, Biomass & Others)	61	86	155	1	0	304
Total	779	1463	849	525	36	3651
Share of RES in total generation (%)	7.88	5.80	18 30	0.22	0.11	8 33

Share of RES in total generation (%)	7.88	5.89	18.30	0.22	0.11	8.33
Share of Non-fossil fuel (Hydro, Nuclear and	34.90	11.06	30.42	0.74	13.24	20.48
RES) in total generation (%)	34.70	11.00	30.42	7./ 4	13.24	20.40

H. Diversity Factor
All India Demand Diversity Factor
1.049
Diversity factor = Sum of regional maximum demands / All India maximum demand

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

		INT	ER-REGI	ONAL EXCH	ANGES	Date of 1	Reporting :	21-Apr-19
								Import=(+ve) /Export =(-ve) for NET (MU)
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/E		ER (With NR)						
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	D/C S/C	0	521 252	0.0	5.7 3.5	-5.7 -3.5
3	703K V	GAYA-BALIA	S/C	0	371	0.0	6.0	-5.5
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	пове	PUSAULI B/B	S/C	0	50	0.0	1.2	-1.2
6		PUSAULI-VARANASI	S/C	0	92	0.0	1.5	-1.5
7 8		PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	S/C D/C	31 107	18 757	0.3	0.0 8.3	0.3 -8.3
9	400 kV	PATNA-BALIA	Q/C	0	905	0.0	16.0	-8.3
10	10011	BIHARSHARIFF-BALIA	D/C	0	417	0.0	6.8	-6.8
11		MOTIHARI-GORAKHPUR	D/C	0	298	0.0	5.0	-5.0
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	165	0.0	3.2	-3.2
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
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	vnert of	ER (With WR)			ER-NR	0.8	57.2	-56.3
	лрогі оі	T .	1 1		1			
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1907	0	36.5	0.0	36.5
19	/05 KV	NEW RANCHI-DHARAMJAIGARH	D/C	522	171	3.5	0.0	3.5
20		JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	D/C Q/C	172 203	79 70	0.8 1.8	0.0	0.8 1.8
22	400 kV	RANCHI-SIPAT	D/C	184	18	1.8	0.0	1.7
23		BUDHIPADAR-RAIGARH	S/C	0	103	0.0	1.7	-1.7
24	220 kV	BUDHIPADAR-KORBA	D/C	158	0	2.5	0.0	2.5
					ER-WR	46.8	1.7	45.1
Import/E	xport of	ER (With SR)						
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1979.0	0.0	37.2	-37.2
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	698.0	0.0	16.1	-16.1
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2456.0	0.0	50.1	-50.1
28	400 kV 220 kV	TALCHER-I/C	D/C	1.0	785.0 0.0	0.0	8.9	-8.9
29	220 KV	BALIMELA-UPPER-SILERRU	S/C	1.0	ER-SR	0.0	0.0 103.4	0.0 -103.4
Import/E	xport of	ER (With NER)			EK-5K	0.0	103.4	-103.4
30	Î	BINAGURI-BONGAIGAON	D/C	282	370	0.0	0.7	-1
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	375	334	0.6	0.0	1
32	220 kV	ALIPURDUAR-SALAKATI	D/C	52	81	0.0	0.2	0
		•	+ +	52		0.0 0.6	0.2 0.9	0 -0.3
Import/E	export of	NER (With NR)	+ +		81 ER-NER	0.6	0.9	-0.3
		•	+ +	655	81 ER-NER	6.7	0.9	-0.3
Import/E	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA	+ +		81 ER-NER	0.6	0.9	-0.3
Import/E	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR)	+ +	655	81 ER-NER 0 NER-NR	6.7 6.7	0.9 0.0 0.0	-0.3 6.7 6.7
Import/E 33	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA	D/C -		81 ER-NER	6.7	0.9	-0.3
Import/E 33 Import/E 34	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	- D/C	655	81 ER-NER 0 NER-NR	6.7 6.7 0.0	0.9 0.0 0.0	-0.3 6.7 6.7 -12.0
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 D/C	0 243	81 ER-NER 0 NER-NR 502 2	0.6 6.7 6.7 0.0 5.6	0.9 0.0 0.0 12.0 0.0	-0.3 6.7 6.7 -12.0 5.6
Import/E 33 Import/E 34 35 36	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG	D/C	0 243 0	81 ER-NER 0 NER-NR 502 2 1549	0.6 6.7 6.7 0.0 5.6 0.0	0.9 0.0 0.0 12.0 0.0 36.0	-0.3 6.7 6.7 -12.0 5.6 -36.0
Import/E 33 Import/E 34 35 36 37 38 39	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	D/C D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683	0.6 6.7 6.7 0.0 5.6 0.0 0.0 0.0	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2	-0.3 6.7 6.7 -12.0 5.6 -36.0 -38.3 -18.4 -20.2
Import/E 33 Import/E 34 35 36 37 38 39 40	Export of HVDC 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 D/C	0 243 0 0 0 0 0 461	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0	0.6 6.7 6.7 0.0 5.6 0.0 0.0 0.0 0.0	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0	-0.3 6.7 6.7 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0
Import/E 33 Import/E 34 35 36 37 38 39 40 41	Export of HVDC 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 SATNA-ORAI	D/C D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0 0 0 461	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331	0.6 6.7 6.7 0.0 5.6 0.0 0.0 0.0 0.0 10.0	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 27.2	-0.3 6.7 6.7 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42	Export of HVDC 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 SATNA-ORAI CHITORGARH-BANASKANTHA	D/C D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0 0 0 461 0 638	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406	0.6 6.7 6.7 0.0 5.6 0.0 0.0 0.0 0.0 10.0 0.0 2.8	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 27.2 0.0	-0.3 6.7 6.7 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43	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 SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI	D/C D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0 0 0 461 0 638 274	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26	0.6 6.7 6.7 0.0 5.6 0.0 0.0 0.0 10.0 0.0 2.8 3.5	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 27.2 0.0 0.0	-0.3 6.7 6.7 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44	Export of HVDC 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 GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL	D/C D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0 0 0 461 0 638 274	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116	0.6 6.7 6.7 0.0 5.6 0.0 0.0 0.0 0.0 10.0 0.0 2.8 3.5	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 27.2 0.0 0.0 0.0	-0.3 6.7 6.7 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8
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 CHTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND	D/C D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0 0 0 461 0 638 274 153 978	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0	0.6 6.7 6.7 0.0 5.6 0.0 0.0 0.0 10.0 0.0 2.8 3.5 0.8 22.6	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 27.2 0.0 0.0 0.0	-0.3 6.7 6.7 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6
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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL	D/C D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0 0 0 461 0 638 274	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279	0.6 6.7 6.7 0.0 5.6 0.0 0.0 0.0 0.0 10.0 0.0 2.8 3.5	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 27.2 0.0 0.0 0.0	-0.3 6.7 6.7 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45	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 ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR	D/C D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0 0 0 461 0 638 274 153 978	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0	0.6 6.7 6.7 0.0 5.6 0.0 0.0 0.0 10.0 0.0 2.8 3.5 0.8 22.6	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 27.2 0.0 0.0 0.0 0.0	-0.3 6.7 6.7 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6
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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA	D/C D/C D/C D/C D/C D/C D/C D/C	655 0 243 0 0 0 0 461 0 638 274 153 978 95 52	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 1116 0 279 56	0.6 6.7 6.7 6.7 0.0 5.6 0.0 0.0 0.0 10.0 0.0 2.8 3.5 0.8 22.6 1 0.1	0.9 0.0 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-0.3 6.7 6.7 -12.0 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3
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 APLMHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK	D/C D/C D/C D/C D/C D/C D/C D/C	655 0 243 0 0 0 0 461 0 638 274 153 978 95 52 0	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78	0.6 6.7 6.7 6.0 0.0 5.6 0.0 0.0 0.0 10.0 2.8 3.5 0.8 22.6 1 0.1 0.0	0.9 0.0 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 18.4 18.4 18.4 18.4 18.4 18.6	-0.3 6.7 6.7 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2
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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA	D/C D/C D/C D/C D/C D/C D/C D/C	655 0 243 0 0 0 0 461 0 638 274 153 978 95 52 0 41	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 33 0	0.6 6.7 6.7 6.7 0.0 5.6 0.0 0.0 0.0 10.0 0.0 2.8 3.5 0.8 22.6 1 0.1 0.0 0.4	0.9 0.0 0.0 0.0 36.0 38.3 18.4 20.2 0.0 27.2 0.0 0.0 0.0 0.0 0.0 0.0 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-0.3 6.7 6.7 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4
Import/E 33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL VCHAL - RIHAND RAPP-SHUALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	D/C D/C D/C D/C D/C D/C D/C S/C S	655 0 243 0 0 0 0 461 0 638 274 153 978 95 52 0 41 13	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 33	0.6 6.7 6.7 0.0 5.6 0.0 0.0 0.0 0.0 10.0 0.0 2.8 3.5 0.8 22.6 1 0.1 0.0 0.4	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 0.0 0.0 0.0 0.0 0.0	-0.3 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4 -0.2
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	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of	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 ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR)	D/C D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0 0 0 461 0 638 274 153 978 95 52 0 41 13	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 33 0 WR-NR	0.6 6.7 6.7 6.0 0.0 0.0 0.0 0.0	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 0.0 0.0 0.0 0.0 0.0	-0.3 -12.0 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4 -0.2 0.0 -107.3
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	Export of HVDC Export of HVDC - 765 kV - 400 kV - 220 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 CHITORGARH-BANASKANTHA ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADDD-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	655 0 243 0 0 0 0 0 461 0 638 274 153 978 95 52 0 41 13 0	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 33 0 WR-NR	0.6 6.7 6.7 6.0 0.0 0.0 0.0 0.0	0.9 0.0 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 27.2 0.0 0.0 0.0 0.0 0	-0.3 -12.0 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4 -0.2 0.0 -107.3
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	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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU	D/C D/C D/C D/C D/C D/C D/C S/C S	655 0 243 0 0 0 0 0 461 0 638 274 153 978 95 52 0 41 13 0	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 WR-NR	0.6 6.7 6.7 6.7 0.0 0.0 0.0 0.0	0.9 0.0 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 27.2 0.0 0.0 0.0 0.0 0	-0.3 6.7 6.7 -12.0 -5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4 -0.2 0.0 -107.3
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	Export of HVDC Export of HVDC - 765 kV - 400 kV - 220 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 JABALUR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MOTA BADOD-MOTA 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 D/C	655 0 243 0 0 0 0 461 0 638 274 153 978 95 52 0 41 13 0	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 33 0 WR-NR	0.6 6.7 6.7 6.7 0.0 0.0 0.0 0.0	0.9 0.0 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 27.2 0.0 0.0 0.0 0.0 0	-0.3 -12.0 -12.0 -5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4 -0.2 0.0 -107.3
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	Export of HVDC Export of HVDC A 100 kV A 100 kV Export of 132kV Export of LINK A 165 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALUR-ORAI GWATIOR-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	D/C	0 243 0 0 0 0 0 461 0 638 274 153 978 95 52 0 41 13 0	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 33 0 WR-NR	0.6 6.7 6.7 0.0 5.6 0.0 0.0 0.0 10.0 0.0 2.8 3.5 0.8 22.6 1 0.1 0.0 0.4 0.0 0.0 46.5	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 0.0 0.0 0.0 0.0 0.0	-0.3 -12.0 -12.0 -5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4 -0.2 0.0 -107.3
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	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALUR-ORAI GWALIOR-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	D/C	0 243 0 0 0 0 0 0 461 0 638 274 153 978 95 52 0 0 41 13 0	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 33 0 WR-NR 481 0 2427 2209 265	0.6 6.7 6.7 0.0 0.0 0.0 0.0 0.0	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 0.0 0.0 0.0 0.0 0.0	-0.3 -0.7 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4 -0.2 0.0 -107.3
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	Export of HVDC Export of HVDC A 765 kV A 400 kV A 220 kV A 220 kV Export of HVDC Export of LINK A 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALUR-ORAI GWATIOR-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	D/C	0 243 0 0 0 0 0 461 0 638 274 153 978 95 52 0 41 13 0	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 33 0 WR-NR 481 0 2427 2209 265 0	0.6 6.7 6.7 0.0 5.6 0.0 0.0 0.0 10.0 0.0 2.8 3.5 0.8 22.6 1 0.1 0.0 0.4 0.0 0.0 46.5	0.9 0.0 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 0.0 0.0 0.0 0.0 0.0	-0.3 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4 -0.2 0.0 -107.3
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	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 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 GATIOR-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND RAPP-SHUALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	D/C	0 243 0 0 0 0 0 461 0 638 274 153 978 95 52 0 41 13 0	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 33 0 WR-NR 481 0 2427 2209 265	0.6 6.7 6.7 0.0 0.0 0.0 0.0 0.0	0.9 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 0.0 0.0 0.0 0.0 0.0	-0.3 -0.3 -12.0 -12.0 -12.0 -36.7 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4 -0.2 0.0 -107.3
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 LINK 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 CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND RAPP-SHUALPUR BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C D/C	0 243 0 0 0 0 0 461 0 638 274 153 978 95 52 0 41 13 0	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 33 0 WR-NR 481 0 2427 22299 265 0 0	0.6 6.7 6.7 6.0 0.0 0.0 0.0 0.0	0.9 0.0 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 0.0 0.0 0.0 0.0 0.0	-0.3 -12.0 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4 -0.2 0.0 -107.3
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 LINK 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 CHITORGARH-BANASKANTHA ZERDA-BHINMAL V'CHAL-RIHAND RAPP-SHUALPUR BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDAMPA-MURAMBEWADI XELDAMPA-MURAMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 461 0 638 274 153 978 95 52 0 41 13 0	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 33 0 WR-NR 481 0 2427 2209 265 0 0 63 WR-SR	0.6 6.7 6.7 6.0 0.0 0.0 0.0 0.0	0.9 0.0 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 0.0 0.0 0.0 0.0 0.0	-0.3 -12.0 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4 -0.2 0.0 -107.3 -11.4 0.0 -44.8 -43.3 -0.2 0.0 0.0 1.3
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 59	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 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 SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 461 0 638 274 153 978 95 52 0 41 13 0	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 33 0 WR-NR 481 0 2427 2209 265 0 0 63 WR-SR	0.6 6.7 6.7 6.0 0.0 0.0 0.0 0.0	0.9 0.0 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 0.0 0.0 0.0 0.0 0.0	-0.3 -12.0 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4 -0.2 0.0 -107.3 -11.4 0.0 -44.8 -43.3 -0.2 0.0 0.0 1.3 -98.4
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 LINK 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 CHITORGARH-BANASKANTHA ZERDA-BHINMAL V'CHAL-RIHAND RAPP-SHUALPUR BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDAMPA-MURAMBEWADI XELDAMPA-MURAMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C D/C D/C D/C S/C S	0 243 0 0 0 0 0 461 0 638 274 153 978 95 52 0 41 13 0	81 ER-NER 0 NER-NR 502 2 1549 2274 1036 683 0 1331 406 26 116 0 279 56 78 0 33 0 WR-NR 481 0 2427 2209 265 0 0 63 WR-SR	0.6 6.7 6.7 6.0 0.0 0.0 0.0 0.0	0.9 0.0 0.0 0.0 12.0 0.0 36.0 38.3 18.4 20.2 0.0 0.0 0.0 0.0 0.0 0.0	-0.3 -12.0 -12.0 5.6 -36.0 -38.3 -18.4 -20.2 10.0 -27.2 2.8 3.5 0.8 22.6 1 -0.3 -1.2 0.4 -0.2 0.0 -107.3 -11.4 0.0 -44.8 -43.3 -0.2 0.0 0.0 1.3