

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: 10thSep 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 793006 Chief General Manager, 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 09.09.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-सितंबर-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 09th Sep 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 10-Sep-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 2000 hrs; from RLDCs)	59790	43711	42190	22631	2770	171092
Peak Shortage (MW)	1181	0	0	500	160	1841
Energy Met (MU)	1352	976	963	463	53	3807
Hydro Gen (MU)	363	114	176	143	20	816
Wind Gen (MU)	8	66	186			259
Solar Gen (MU)*	30.60	11.98	76.18	1.96	0.02	121
Energy Shortage (MU)	22.7	0.0	0.0	1.5	2.4	26.6
Maximum Demand Met during the day	61372	45427	42785	22700	2761	173158
(MW) & time (from NLDC SCADA)	20:25	19:08	19:02	20:50	19:52	19:30

B. Frequency Profile (%) Region All India FVI 49.7-49.8 49.8-49.9 49.9-50.05 > 50.05 0.059 6.85

Region	States	Max. Demand Met during the	Shortage during maximum Demand	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU
		day (MW)	(MW)		Schedule (MU)	(MU)	(MW)	Shortage (MU
	Punjab	10712	0	237.2	138.5	-1.1	59	0.0
	Haryana	9924	0	214.1	158.7	0.1	172	0.0
	Rajasthan	10504	0	232.7	80.5	-3.6	193	0.0
	Delhi	6231	0	128.5	103.7	0.8	221	0.0
NR	UP	20146	0	421.3	220.5	1.3	535	13.0
	Uttarakhand	1965	0	42.0	16.2	0.5	211	0.0
H	HP	1434	0	29.9	0.3	-0.9	38	0.2
	J&K	2051	513	40.0	19.0	-2.1	30	9.5
	Chandigarh	321	0	6.4	6.8	-0.5	10	0.0
	Chhattisgarh	3603	0	78.9	22.1	0.1	218	0.0
	Gujarat	12960	0	284.7	88.8	2.3	682	0.0
	MP	8174	0	174.7	80.3	-2.0	500	0.0
WR	Maharashtra	18265	0	395.1	121.1	-0.3	542	0.0
WK	Goa	541	0	11.0	10.2	0.2	81	0.0
	DD	323	0	7.1	6.8	0.4	40	0.0
	DNH	800	0	18.6	18.6	0.0	37	0.0
	Essar steel	321	0	6.0	5.6	0.4	325	0.0
	Andhra Pradesh	8028	0	181.9	24.8	-0.6	347	0.0
	Telangana	9271	0	200.5	51.8	-1.9	457	0.0
SR	Karnataka	9657	0	187.0	28.7	-2.9	796	0.0
JN.	Kerala	3282	0	67.1	47.5	0.8	195	0.0
	Tamil Nadu	15133	0	318.2	130.6	-0.1	616	0.0
	Pondy	401	0	8.3	8.5	-0.2	28	0.0
	Bihar	5656	0	113.0	107.0	1.2	400	0.9
	DVC	2934	0	61.0	-26.7	-1.0	150	0.0
ER	Jharkhand	1285	0	25.3	15.9	0.0	120	0.0
EN	Odisha	4632	0	95.7	20.9	7.2	500	0.6
	West Bengal	8699	0	166.9	66.5	0.8	400	0.0
	Sikkim	100	0	1.0	1.4	-0.4	10	0.0
	Arunachal Pradesh	113	1	2.0	2.6	-0.6	4	0.0
	Assam	1780	110	34.2	27.6	1.3	181	2.4
	Manipur	160	2	2.4	2.5	-0.1	29	0.0
NER	Meghalaya	307	0	5.3	0.9	-0.3	54	0.0
	Mizoram	92	1	1.7	1.1	0.3	16	0.0
	Nagaland	136	2	2.1	2.3	-0.5	40	0.0
	Tripura	276	4	4.9	4.1	0.0	42	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	41.9	-6.3	-25.5
Day peak (MW)	1791.3	-401.0	-1105.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	310.9	-257.1	23.9	-80.4	9.4	6.7
Actual(MU)	304.4	-276.4	6.0	-35.7	8.3	6.7
O/D/U/D(MU)	-6.4	-19.2	-17.9	44.7	-1.1	0.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3700	14440	8812	1545	736	29233
State Sector	8630	19903	10773	6740	50	46095
Total	12330	34342	19585	8285	786	75328

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	560	975	355	406	8	2305
Lignite	23	9	44	0	0	76
Hydro	363	114	176	143	20	816
Nuclear	27	31	61	0	0	119
Gas, Naptha & Diesel	39	49	16	0	22	125
RES (Wind, Solar, Biomass & Others)	54	82	304	2	0	443
Total	1067	1260	955	551	50	3883

Share of RES in total generation (%)	5.11	6.54	31.83	0.36	0.04	11.41
Share of Non-fossil fuel (Hydro, Nuclear and	41.69	18.04	56.57	26.28	40.35	35.47
RES) in total generation (%)	41.09	10.04	56.57	20.20	40.33	33.47

H. Diversity Factor
All India Demand Diversity Factor

^{*}Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

		<u>IN1</u>	ER-REGI	ONAL EXCH	ANGES	Date of 1	Reporting :	: 10-Sep-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)	1					1
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	D/C S/C	353	443 64	0.0 2.7	0.0	-6.3 2.7
3	- rock v	GAYA-BALIA	S/C	0	482	0.0	9.3	-9.3
4	HVDC	ALIPURDUAR-AGRA	-	0	1205	0.0	28.7	-28.7
5	n,be	PUSAULI B/B	S/C	0	196	0.0	4.7	-4.7
6 7	1	PUSAULI-VARANASI	S/C	0	186	0.0	3.5	-3.5 -1.1
8	1	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	S/C D/C	0	82 719	0.0	1.1	-1.1
9	400 kV	PATNA-BALIA	Q/C	0	1057	0.0	19.0	-10.9
10	1	BIHARSHARIFF-BALIA	D/C	0	338	0.0	6.4	-6.4
11		MOTIHARI-GORAKHPUR	D/C	0	14	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	138	133	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	177	0.0	3.4	-3.4
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0 ER-NR	0.0 3.1	93.3	0.0 -90.2
Import/F	Export of	ER (With WR)			ER-NK	3.1	93.3	-90.2
	Saport OI	T ,	0/2	1072		10.5	0.0	10.5
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1063	0	19.5	0.0	19.5
19	20	NEW RANCHI-DHARAMJAIGARH	D/C	1474	0	22.5	0.0	22.5
20		JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	D/C Q/C	306 475	0	4.6 5.6	0.0	4.6 5.6
22	400 kV	RANCHI-SIPAT	D/C	496	0	7.1	0.0	7.1
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	105	0.0	1.7	-1.7
24	220 K V	BUDHIPADAR-KORBA	D/C	133	0	2.0	0.0	2.0
					ER-WR	61.3	1.7	59.6
		ER (With SR)			1			1
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1491.0	0.0	23.7	-23.7
26	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	316.0	0.0	7.4	0.0	7.4
27		TALCHER-KOLAR BIPOLE TALCHER-I/C	D/C D/C	0.0 332.0	692.0	0.0 5.8	0.0	-16.9 5.8
29	400 kV 220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
- 27	220 R V	BALIMELA OFFER SILLARO	5/-C	1.0	ER-SR	7.4	40.6	-33.2
Import/F	Export of	ER (With NER)						1
30		BINAGURI-BONGAIGAON	D/C	0	800	0.0	13.4	-13
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	15	411	0.0	4.3	-4
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	174	0.0	2.8	-3
					ER-NER	0.0	20.5	-20.5
Import/F								
		NER (With NR)			50.4	0.0	10.1	10.4
33		NER (With NR) BISWANATH CHARIALI-AGRA	-	0	604 NED ND	0.0	13.4	-13.4
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	604 NER-NR	0.0	13.4 13.4	-13.4 -13.4
33 Import/E	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)		-	NER-NR	0.0	13.4	-13.4
33 Import/E 34	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	D/C	0	NER-NR 2504	0.0	13.4 44.6	-13.4 -44.6
33 Import/E	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR)		-	NER-NR	0.0	13.4	-13.4
33 Import/F 34 35	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B	D/C D/C	0 273	2504 152	0.0 0.4	13.4 44.6 0.4	-13.4 -44.6 6.0
33 Import/E 34 35 36	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG	D/C D/C D/C	0 273 0	2504 152 1920	0.0 0.0 6.4 0.0	13.4 44.6 0.4 35.6	-13.4 -44.6 6.0 -35.6
33 Import/E 34 35 36 37 38 39	HVDC Export of HVDC	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	0 273 0 0 0	2504 152 1920 2608 1224 950	0.0 0.0 6.4 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5
33 Import/E 34 35 36 37 38 39 40	HVDC Export of	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	0 273 0 0 0 0 0	2504 152 1920 2608 1224 950 0	0.0 6.4 0.0 0.0 0.0 0.0 0.0 5.6	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6
33 Import/E 34 35 36 37 38 39 40 41	HVDC 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 SATNA-ORAI	D/C D/C D/C D/C D/C D/C S/C S/C	0 273 0 0 0 0 0 291	2504 152 1920 2608 1224 950 0 1495	0.0 6.4 0.0 0.0 0.0 0.0 0.0 5.6 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6
33 Import/F 34 35 36 37 38 39 40 41 42	HVDC 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 SATNA-ORAI CHITTORGARH-BANASKANTHA	D/C D/C D/C D/C D/C D/C D/C S/C S/C D/C	0 273 0 0 0 0 0 291 0	2504 152 1920 2608 1224 950 0 1495 862	0.0 6.4 0.0 0.0 0.0 0.0 0.0 5.6 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7
33 Import/E 34 35 36 37 38 39 40 41 42 43	HVDC 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 SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI	D/C	0 273 0 0 0 0 0 291 0	2504 152 1920 2608 1224 950 0 1495 862 143	0.0 6.4 0.0 0.0 0.0 0.0 0.0 5.6 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9
33 Import/E 34 35 36 37 38 39 40 41 42 43 44	HVDC 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 S/C S/C S/C S/C S/C	0 273 0 0 0 0 0 291 0 0 0	2504 152 1920 2608 1224 950 0 1495 862 143 238	0.0 6.4 0.0 0.0 0.0 0.0 5.6 0.0 0.0 0.1	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4
33 Import/F 34 35 36 37 38 39 40 41 42 43 44 45	HVDC 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	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	0 273 0 0 0 0 0 291 0 0 0 46 65	2504 152 1920 2608 1224 950 0 1495 862 143 238 0	0.0 0.0 6.4 0.0 0.0 0.0 0.0 5.6 0.0 0.0 0.1 0.1 22.5	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5
33 Import/F 34 35 36 37 38 39 40 41 42 43 44 45 46	HVDC 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-SHIIMMAL 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	0 273 0 0 0 0 0 291 0 0 0	NER-NR 2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423	0.0 0.0 6.4 0.0 0.0 0.0 0.0 5.6 0.0 0.0 0.1 0.1 22.5	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 0.0 6	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6
33 Import/F 34 35 36 37 38 39 40 41 42 43 44 45	HVDC 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	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	0 273 0 0 0 0 0 291 0 0 46 65 969	2504 152 1920 2608 1224 950 0 1495 862 143 238 0	0.0 0.0 6.4 0.0 0.0 0.0 0.0 5.6 0.0 0.0 0.1 0.1 22.5	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5
33 Import/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47	HVDC 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-SHIIMMAL 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 S/C S/C S/C	0 273 0 0 0 0 0 291 0 0 46 65 969 0	2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0 6	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4
33 Import/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47	HVDC 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	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	0 273 0 0 0 0 0 291 0 0 46 65 969 0	2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0 6	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1
33 Import/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	HVDC 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	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	0 273 0 0 0 0 0 291 0 0 46 65 969 0 1 0	2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30	0.0 0.0 6.4 0.0 0.0 0.0 0.0 5.6 0.0 0.1 0.1 22.5 0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 0.0 6 0.4 1.1	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1
33 Import/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	HVDC Export of HVDC 765 kV 400 kV	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-BHINMAL V'CHAL-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 273 0 0 0 0 0 291 0 0 46 65 969 0 1 0	2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30 68	0.0 0.0 6.4 0.0 0.0 0.0 0.0 5.6 0.0 0.1 0.1 22.5 0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0 6 0.4 1.1 0.1	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1 -0.9
33 Import/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/F	HVDC Export of HVDC 765 kV 400 kV 132kV Export of	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 D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 273 0 0 0 0 0 291 0 0 46 65 969 0 1 0 0	2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30 68 0 WR-NR	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0 6 0.4 1.1 0.1 0.9 0.0 244.3	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1 -0.9 0.0 -186.0
33 Import/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/F 52	HVDC Export of HVDC 765 kV 400 kV 220 kV 132kV 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 SATINA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-SHIINMAL V'CHAL -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	0 273 0 0 0 0 0 291 0 0 0 46 65 969 0 1 0 0	NER-NR 2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30 68 0 WR-NR	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0 6 0.4 1.1 0.1 0.9 0.0 244.3	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1 -0.9 0.0 -186.0
33 Import/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/F 52 53	HVDC Export of HVDC 765 kV 400 kV 132kV Export of	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-KANHAD RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK 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	0 273 0 0 0 0 0 291 0 0 46 65 969 0 1 0 35 0	2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30 68 0 WR-NR	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 0.6 0.4 1.1 0.1 0.9 0.0 244.3	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1 -0.9 0.0 -186.0
33 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	HVDC Export of HVDC 765 kV 400 kV 220 kV 132kV Export of HVDC	BISWANATH CHARIALI-AGRA 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	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	0 273 0 0 0 0 0 291 0 0 46 65 969 0 1 0 35 0	NER-NR 2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30 68 0 WR-NR	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 0.6 0.4 1.1 0.1 0.9 0.0 244.3	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1 -0.9 0.0 -186.0
33 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	HVDC Export of HVDC 765 kV 400 kV 220 kV 132kV Export of HVDC LINK 765 kV	BISWANATH CHARIALI-AGRA 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-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 273 0 0 0 0 0 291 0 0 46 65 969 0 1 0 35 0 0	NER-NR 2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30 68 0 WR-NR	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0 6 0.4 1.1 0.1 0.9 0.0 244.3 7.2 0.0 16.4	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1 -0.9 0.0 -186.0
33 Import/F 34 35 36 37 38 39 40 41 42 43 44 45 50 51 Import/F 52 53 54 55 56	HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK	BISWANATH CHARIALI-AGRA 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-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHASUR -L SILEEU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C 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	0 273 0 0 0 0 0 291 0 0 46 65 969 0 1 0 35 0 0	NER-NR 2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30 68 0 WR-NR	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0 6 0.4 1.1 0.1 0.9 0.0 244.3 7.2 0.0 0.0 16.4 0.0	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1 -0.9 0.0 -186.0 -7.2 0.0 7.0 -16.4 12.9
33 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	HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	BISWANATH CHARIALI-AGRA 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-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 273 0 0 0 0 0 291 0 0 46 65 969 0 1 0 35 0 0	NER-NR 2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30 68 0 WR-NR	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0 6 0.4 1.1 0.1 0.9 0.0 244.3 7.2 0.0 16.4	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1 -0.9 0.0 -186.0
33 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	HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 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 BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI	D/C	0 273 0 0 0 0 0 291 0 0 46 65 969 0 1 0 35 0 0	NER-NR 2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30 68 0 WR-NR 410 0 571 1318 0 0	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0 6 0.4 1.1 0.1 0.9 0.0 244.3 7.2 0.0 0.0 16.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1 -0.9 0.0 -186.0 -7.2 0.0 7.0 -16.4 12.9 0.0
33 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	HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 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-RANPUR BHANPURA-WANIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHASDRAWATI 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 273 0 0 0 0 0 291 0 0 46 65 969 0 1 0 35 0 0	NER-NR 2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30 68 0 WR-NR 410 0 571 1318 0 0 63	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0 6 0.4 1.1 0.1 0.9 0.0 244.3 7.2 0.0 0.0 16.4 0.0 0.0 16.4 0.0 0.0 16.4 0.0 0.0 16.4 0.0 0.0 16.4 0.0 0.0 16.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1 -0.9 0.0 -186.0 -7.2 0.0 7.0 -16.4 12.9 0.0 -1.1
33 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	HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 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-RANPUR BHANPURA-WANIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHASBAUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	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	0 273 0 0 0 0 0 291 0 0 46 65 969 0 1 0 35 0 0	NER-NR 2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30 68 0 WR-NR 410 0 571 1318 0 0 63 36 WR-SR	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0 6 0.4 1.1 0.1 0.9 0.0 244.3 7.2 0.0 0.0 16.4 0.0 1.1 0.0	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1 -0.9 0.0 -186.0 -7.2 0.0 7.0 -16.4 12.9 0.0 -1.1 0.6
33 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	HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 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-SHIIMMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	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	0 273 0 0 0 0 0 291 0 0 46 65 969 0 1 0 35 0 0	NER-NR 2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30 68 0 WR-NR 410 0 571 1318 0 0 63 36 WR-SR	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0 6 0.4 1.1 0.1 0.9 0.0 244.3 7.2 0.0 0.0 16.4 0.0 1.1 0.0	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1 -0.9 0.0 -186.0 -7.2 0.0 7.0 -16.4 12.9 0.0 -1.1 0.6 -4.2
33 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	HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 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-RANPUR BHANPURA-WANIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHASBAUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	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	0 273 0 0 0 0 0 291 0 0 46 65 969 0 1 0 35 0 0	NER-NR 2504 152 1920 2608 1224 950 0 1495 862 143 238 0 423 41 76 30 68 0 WR-NR 410 0 571 1318 0 0 63 36 WR-SR	0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0	13.4 44.6 0.4 35.6 49.0 22.5 37.5 0.0 31.6 11.7 1.0 1.5 0.0 6 0.4 1.1 0.1 0.9 0.0 244.3 7.2 0.0 0.0 16.4 0.0 1.1 0.0	-13.4 -44.6 6.0 -35.6 -49.0 -22.5 -37.5 5.6 -31.6 11.7 -0.9 -1.4 22.5 -6 -0.4 -1.1 0.1 -0.9 0.0 -186.0 -7.2 0.0 7.0 -16.4 12.9 0.0 -1.1 0.6