

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: 02nd Nov 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. 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 01.11.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-नवम्बर-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 01st Nov 2019, is available at the NLDC website.

धन्यवाद,

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

Date of Reporting Report for previous day 2-Nov-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)	42845	42327	34965	19510	2442	142089
Peak Shortage (MW)	538	190	0	0	70	798
Energy Met (MU)	899	942	740	378	44	3003
Hydro Gen (MU)	142	56	167	75	13	454
Wind Gen (MU)	17	37	23			77
Solar Gen (MU)*	21.26	19.09	60.98	1.76	0.04	103
Energy Shortage (MU)	14.9	0.3	0.0	0.0	0.7	15.8
Maximum Demand Met during the day	43820	43306	36336	19583	2596	144843
(MW) & time (from NLDC SCADA)	19:15	18:25	18:51	18:48	17:33	18:49

B. Frequency Profile (%)
Region
All India FVI <49.7 49.7-49.8 49.8-49.9 <49.9 49.9-50.05 > 50.05 0.052 1.19 10.90

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	5426	0	111.3	44.7	-1.8	113	0.0
	Haryana	5783	0	122.5	112.6	-0.5	212	0.0
	Rajasthan	10699	0	210.8	63.9	-3.4	473	0.0
NR	Delhi	3434	0	69.0	53.0	-1.7	93	0.0
	UP	14926	0	276.9	121.7	-0.5	1294	4.4
	Uttarakhand	1653	0	33.3	21.8	0.4	115	0.0
	HP	1496	0	27.1	16.6	0.6	246	0.0
	J&K	2345	586	44.2	37.5	-1.3	184	10.5
	Chandigarh	194	0	3.6	3.5	0.1	20	0.0
	Chhattisgarh	3371	33	74.3	26.7	2.4	527	0.3
	Gujarat	12823	0	282.1	64.7	3.5	432	0.0
	MP	8518	0	180.7	128.6	-2.7	211	0.0
WR	Maharashtra	16671	0	362.2	119.4	-1.9	489	0.0
WK	Goa	541	0	12.3	11.5	0.2	33	0.0
	DD	322	0	7.1	6.5	0.6	43	0.0
	DNH	743	0	17.2	17.3	-0.1	38	0.0
	Essar steel	369	0	6.5	6.2	0.3	276	0.0
	Andhra Pradesh	7295	0	153.8	54.8	0.1	352	0.0
	Telangana	7088	0	150.8	37.0	0.0	571	0.0
SR	Karnataka	6608	0	121.0	13.0	-1.1	659	0.0
3K	Kerala	3296	0	62.3	42.8	0.9	181	0.0
	Tamil Nadu	12101	0	245.8	138.2	2.0	903	0.0
	Pondy	323	0	6.4	6.6	-0.2	46	0.0
	Bihar	4598	0	82.7	81.8	0.4	450	0.0
	DVC	2889	0	61.2	-9.4	-0.4	250	0.0
ER	Jharkhand	1222	0	24.4	15.5	-0.5	25	0.0
EN	Odisha	4315	0	83.3	6.3	0.4	300	0.0
	West Bengal	6996	0	124.9	49.0	-0.8	300	0.0
	Sikkim	97	0	1.2	1.6	-0.4	30	0.0
	Arunachal Pradesh	117	0	2.1	1.7	0.2	50	0.0
	Assam	1523	34	25.9	19.5	0.3	141	0.6
	Manipur	164	2	2.4	2.3	0.1	16	0.0
NER	Meghalaya	335	0	5.8	3.1	-0.1	5	0.0
	Mizoram	92	1	1.6	0.8	0.4	12	0.0
	Nagaland	121	2	2.3	2.0	0.1	20	0.0
	Tripura	256	0	4.1	3.2	-0.2	68	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	13.3	0.0	-16.7
Day peak (MW)	770.7	-98.0	-810.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	213.7	-235.7	65.4	-44.2	-1.0	-1.7
Actual(MU)	208.1	-231.0	64.5	-45.2	0.2	-3.5
O/D/U/D(MU)	-5.7	4.7	-0.9	-1.0	1.2	-1.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5205	18733	11622	1870	584	38014
State Sector	12841	21972	13003	5910	19	53745
Total	18046	40704	24625	7780	604	91759

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	450	997	277	344	11	2079
Lignite	18	15	47	0	0	80
Hydro	142	56	167	75	13	454
Nuclear	28	22	59	0	0	109
Gas, Naptha & Diesel	24	38	16	0	24	102
RES (Wind, Solar, Biomass & Others)	47	61	114	2	0	223
Total Total	710	1189	679	421	48	3047

Share of RES in total generation (%)	6.56	5.16	16.73	0.43	0.08	7.33
Share of Non-fossil fuel (Hydro, Nuclear and	30.53	11.67	50.11	18.33	27.64	25.80
RES) in total generation (%)	30.33	11.07	50.11	16.55	27.04	25.00

H. Diversity Factor
All India Demand Diversity Factor
1.006
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}.$

		<u>IN'</u>	TER-REGI	ONAL EXCH	ANGES	Date of 1	Reporting :	2-Nov-19
ĺ								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)	200					
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	D/C S/C	122 69	375 193	0.0	3.8 1.7	-3.8 -1.7
3	70011	GAYA-BALIA	S/C	0	318	0.0	5.4	-5.4
4	HVDC	ALIPURDUAR-AGRA	-	0	401	0.0	9.8	-9.8
5	пове	PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8
6	4	PUSAULI-VARANASI	S/C	0	207	0.0	4.0	-4.0
7 8	-	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	S/C D/C	20	67 516	0.0	0.7 5.6	-0.7 -5.6
9	400 kV	PATNA-BALIA	Q/C	0	927	0.0	17.3	-17.3
10		BIHARSHARIFF-BALIA	D/C	54	157	0.0	1.4	-1.4
11	1	MOTIHARI-GORAKHPUR	D/C	0	6	0.0	0.0	0.0
12	1	BIHARSHARIFF-VARANASI	D/C	231	36	2.4	0.0	2.4
13	220 kV	PUSAULI-SAHUPURI	S/C	24	49	0.0	0.5	-0.5
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 ED ND	0.0	0.0	0.0
Impost/F	Evnort of	ER (With WR)			ER-NR	2.8	54.9	-52.1
	ZAPOLT OI	<u> </u>						
18	765 LV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1448	0	23.4	0.0	23.4
19	765 kV 400 kV	NEW RANCHI-DHARAMJAIGARH	D/C	974	0	13.4	0.0	13.4
20		JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	D/C Q/C	730	30 67	1.5 8.2	0.0	1.5 8.2
22	400 kV	RANCHI-SIPAT	D/C	268	0	5.1	0.0	5.1
23	****	BUDHIPADAR-RAIGARH	S/C	24	60	0.0	0.4	-0.4
24	220 kV	BUDHIPADAR-KORBA	D/C	99	0	1.3	0.0	1.3
					ER-WR	52.9	0.4	52.5
Import/E	Export of	ER (With SR)						
25	1	ANGUL-SRIKAKULAM	D/C	0.0	1625.0	0.0	23.3	-23.3
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	420.0	0.0	9.9	-9.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1189.0	0.0	21.0	-21.0
28	400 kV 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	D/C S/C	78.0 1.0	484.0 0.0	0.0	6.8	-6.8
	220 KV	BALIWELA-UFFER-SILERRU	3/C	1.0	ER-SR	0.0	54.2	0.0 -54.2
Import/F	Export of	ER (With NER)				0.0	U.1.2	
30		BINAGURI-BONGAIGAON	D/C	0	610	0.0	5.7	-6
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	75	433	0.0	2.7	-3
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	138	0.0	1.3	-1
					ER-NER	0.0	9.7	-9.7
		NER (With NR)			101	0.0	0.5	0.5
Import/E	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA	-	0	404 NED ND	0.0	9.5	-9.5
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	404 NER-NR	0.0 0.0	9.5 9.5	-9.5 -9.5
33	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)	- D/C		NER-NR	0.0	9.5	-9.5
33	HVDC	BISWANATH CHARIALI-AGRA	D/C D/C	0 0 452			9.5 16.2	-9.5 -16.2
33 Import/E	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA		0	NER-NR 1001	0.0	9.5	-9.5
33 Import/E 34 35	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B	D/C	0 452	1001 21	0.0 8.1	9.5 16.2 0.0	-9.5 -16.2 8.1
33 Import/E 34 35 36 37 38	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG	D/C D/C	0 452 0	NER-NR 1001 21 1077	0.0 0.0 8.1 0.0	9.5 16.2 0.0 26.7	-9.5 -16.2 8.1 -26.7
33 Import/E 34 35 36 37 38 39	HVDC 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	0 452 0 0 0	1001 21 1077 2467 1445 848	0.0 8.1 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4
33 Import/E 34 35 36 37 38 39 40	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	D/C D/C D/C D/C D/C S/C	0 452 0 0 0 0 0	1001 21 1077 2467 1445 848 0	0.0 8.1 0.0 0.0 0.0 0.0 0.0 8.6	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6
33 Import/F 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 S/C S/C	0 452 0 0 0 0 0 468	NER-NR 1001 21 1077 2467 1445 848 0 1436	0.0 8.1 0.0 0.0 0.0 0.0 0.0 8.6 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0
33 Import/E 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 S/C S/C D/C	0 452 0 0 0 0 0 468 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013	0.0 8.1 0.0 0.0 0.0 0.0 0.0 8.6 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3
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 D/C D/C D/C D/C S/C S/C D/C S/C S/C S/C	0 452 0 0 0 0 0 468 0 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158	0.0 8.1 0.0 0.0 0.0 0.0 0.0 8.6 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8
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 S/C S/C S/C S/C S/C S/C	0 452 0 0 0 0 0 468 0 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325	0.0 8.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8
33 Import/E 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 S/C S/C S/C S/C S/C S/C S/C S/C	0 452 0 0 0 0 468 0 0 19 51 978	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0	0.0 8.1 0.0 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6
33 Import/E 34 35 36 37 38 39 40 41 42 43 44	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 RAPP-SHUJALPUR	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	0 452 0 0 0 0 0 468 0 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325	0.0 8.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 9.3 0.8 1.9 0.0	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8
33 Import/E 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	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	0 452 0 0 0 0 468 0 0 0 19 51 978	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365	0.0 8.1 0.0 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1
33 Import/E 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 -BHINMAL V'CHAL -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	0 452 0 0 0 0 468 0 0 19 51 978 91 25	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35	0.0 8.1 0.0 0.0 0.0 0.0 0.0 8.6 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2
33 Import/E 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 PHAGG-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 452 0 0 0 0 0 468 0 0 19 51 978 91	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97	0.0 8.1 0.0 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2 -0.6
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	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	0 452 0 0 0 0 468 0 0 19 51 978 91 25 14 80	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97 9 33 0	0.0 8.1 0.0 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2 -0.6 0.4
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 - 220 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-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	0 452 0 0 0 0 0 468 0 0 19 51 978 91 25 14 80	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97	0.0 8.1 0.0 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0 0.4	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2 -0.6 0.4 -0.3
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 - 220 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 452 0 0 0 0 468 0 0 19 51 978 91 25 14 80 41	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97 9 33 0 WR-NR	0.0 8.1 0.0 0.0 0.0 0.0 0.0 8.6 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0 0.4 0.0 191.5	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2 -0.6 0.4 -0.3 0.0 -151.6
33 Import/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/F 52	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 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	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	0 452 0 0 0 0 468 0 0 19 51 978 91 25 14 80 41	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97 9 9 33 0 WR-NR	0.0 0.0 8.1 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0 0.4 0.0 191.5	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2 -0.6 0.4 -0.3 0.0 -151.6
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	HVDC Export of HVDC - 765 kV - 400 kV - 220 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-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	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	0 452 0 0 0 0 468 0 0 19 51 978 91 25 14 80 41 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97 9 33 0 WR-NR	0.0 8.1 0.0 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0 0.1 1 12.5 0.0	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 -0.2 -0.6 -0.4 -0.3 -0.0 -151.6
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	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 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	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	0 452 0 0 0 0 0 468 0 0 19 51 978 91 25 14 80 41 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97 9 33 0 WR-NR	0.0 0.0 8.1 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0 0.4 0.0 191.5	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 -1.8 -0.2 -0.6 -0.4 -0.3 -0.0 -151.6 -12.5 -0.0 -4.5
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	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 GWALIOR-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 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	0 452 0 0 0 0 468 0 0 19 51 978 91 25 14 80 41 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97 9 33 0 WR-NR	0.0 8.1 0.0 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0 0.4 0.0 191.5 12.5 0.0 9.6 21.2	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2 -0.6 0.4 -0.3 0.0 -151.6
33 Import/E 34 35 36 37 38 39 40 41 42 43 44 45 50 51 Import/E 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 GWALIOR-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 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	0 452 0 0 0 0 468 0 0 19 51 978 91 25 14 80 41 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97 9 33 0 WR-NR	0.0 0.0 8.1 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0 0.4 0.0 191.5 12.5 0.0 9.6 21.2 0.0	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2 -0.6 0.4 -0.3 0.0 -151.6
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	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 GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-SANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHANBARWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 452 0 0 0 0 468 0 0 19 51 978 91 25 14 80 41 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97 9 33 0 WR-NR	0.0 8.1 0.0 0.0 8.6 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0 0.4 0.0 191.5 12.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2 -0.6 0.4 -0.3 0.0 -151.6 -12.5 0.0 -4.5 -21.2 12.0 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-WANPUR BHANPURA-WANPUR BHANPURA-WANPUR WR (With SR) BHADRAWATI 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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 452 0 0 0 0 468 0 0 19 51 978 91 25 14 80 41 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97 9 33 0 WR-NR	0.0 0.0 8.1 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0 1 12.5 0.0 9.6 21.2 0.0 0.0 1.2	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2 -0.6 0.4 -0.3 0.0 -151.6 -12.5 0.0 -4.5 -21.2 12.0 0.0 -1.2
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	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-SANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHANBARWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 452 0 0 0 0 468 0 0 19 51 978 91 25 14 80 41 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97 9 33 0 WR-NR	0.0 0.0 8.1 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0 0.4 1.2.5 0.0 9.6 21.2 0.0 0.0 1.2	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2 -0.6 0.4 -0.3 0.0 -151.6 -12.5 0.0 -4.5 -21.2 12.0 0.0 -1.2 0.7
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-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	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	0 452 0 0 0 0 468 0 0 19 51 978 91 25 14 80 41 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97 9 9 33 0 WR-NR	0.0 0.0 8.1 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0 1 12.5 0.0 9.6 21.2 0.0 0.0 1.2	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2 -0.6 0.4 -0.3 0.0 -151.6 -12.5 0.0 -4.5 -21.2 12.0 0.0 -1.2
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 59	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 MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NICAMABAD 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 S/C S/C S	0 452 0 0 0 0 468 0 0 19 51 978 91 25 14 80 41 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97 9 9 33 0 WR-NR	0.0 0.0 8.1 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0 0.4 1.2.5 0.0 9.6 21.2 0.0 0.0 1.2	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2 -0.6 0.4 -0.3 0.0 -151.6 -12.5 0.0 -4.5 -21.2 12.0 0.0 -1.2 0.7 -26.7
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-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	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	0 452 0 0 0 0 468 0 0 19 51 978 91 25 14 80 41 0	NER-NR 1001 21 1077 2467 1445 848 0 1436 1013 158 325 0 365 35 97 9 9 33 0 WR-NR	0.0 0.0 8.1 0.0 0.0 0.0 0.0 0.0	9.5 16.2 0.0 26.7 47.1 23.5 32.4 0.0 31.0 9.3 0.8 1.9 0.0 1 0.3 0.6 0.0 0.4 1.2.5 0.0 9.6 21.2 0.0 0.0 1.2	-9.5 -16.2 8.1 -26.7 -47.1 -23.5 -32.4 8.6 -31.0 -9.3 -0.8 -1.8 22.6 -1 -0.2 -0.6 0.4 -0.3 0.0 -151.6 -12.5 0.0 -4.5 -21.2 12.0 0.0 -1.2 0.7