

# 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: 13<sup>th</sup> July 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. 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 12.07.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-जुलाई-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 12<sup>th</sup> July 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 13-Jul-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)	55643	47220	41492	19435	2374	166164
Peak Shortage (MW)	1668	0	0	0	346	2014
Energy Met (MU)	1294	1099	968	404	45	3810
Hydro Gen (MU)	360	23	54	114	31	583
Wind Gen (MU)	64	158	117			338
Solar Gen (MU)*	22,52	19.65	72.77	1.82	0.07	117
Energy Shortage (MU)	11.8	0.7	0.0	0.0	2.0	14.4
Maximum Demand Met during the day	59902	48948	43533	20751	2424	170968
(MW) & time (from NLDC SCADA)	22:58	20:02	10:31	21:59	18:41	20:27

B. Frequency Profile (%) Region All India FVI <49.7 49.7-49.8 49.8-49.9 49.9-50.05 > 50.05 18.41

C	DOWNER	Cumple	Position	in	Ctatac

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	10632	0	234.5	140.3	-2.3	24	0.0
	Haryana	9765	0	212.3	154.2	-0.7	207	0.0
	Rajasthan	11451	0	249.6	68.3	0.3	381	0.0
	Delhi	6744	0	137.8	116.2	-0.6	170	0.0
NR	UP	17039	2635	339.7	160.6	0.2	698	1.7
	Uttarakhand	1944	0	41.1	14.5	0.2	170	0.0
	HP	1449	0	29.8	-0.4	0.9	182	0.1
	J&K	2038	509	43.5	20.5	1.4	400	10.0
	Chandigarh	260	0	5.4	6.2	-0.8	0	0.0
	Chhattisgarh	4138	0	96.0	27.7	0.5	498	0.7
	Gujarat	16255	0	362.9	79.0	3.4	648	0.0
	MP	8572	0	189.1	80.7	0.0	518	0.0
WR	Maharashtra	18428	0	407.6	108.7	0.2	610	0.0
VVIN	Goa	541	0	11.6	10.3	0.7	76	0.0
	DD	344	0	7.7	7.0	0.7	111	0.0
	DNH	788	0	18.6	18.9	-0.4	103	0.0
	Essar steel	316	0	5.6	5.5	0.1	334	0.0
	Andhra Pradesh	9238	0	189.0	26.3	1.7	806	0.0
	Telangana	7900	0	169.9	84.5	0.7	750	0.0
SR	Karnataka	10403	0	196.5	50.4	4.2	813	0.0
JI.	Kerala	3575	25	70.1	56.1	2.4	278	0.0
	Tamil Nadu	14962	68	334.7	179.3	0.2	750	0.0
	Pondy	396	0	8.2	8.3	-0.1	42	0.0
	Bihar	4442	0	69.9	70.5	-1.2	500	0.0
	DVC	3117	0	66.6	-40.9	-0.4	300	0.0
ER	Jharkhand	1006	0	23.9	14.0	0.0	80	0.0
LIX	Odisha	4362	0	89.7	34.5	4.3	500	0.0
	West Bengal	8675	0	152.9	66.2	2.0	300	0.0
	Sikkim	89	0	1.1	1.1	0.0	25	0.0
	Arunachal Pradesh	124	0	2.2	2.7	-0.4	41	0.0
	Assam	1446	260	26.5	20.0	0.9	152	1.9
	Manipur	158	2	2.3	2.1	0.2	77	0.0
NER	Meghalaya	316	0	6.3	-1.3	0.7	63	0.0
	Mizoram	86	1	1.4	1.1	0.0	17	0.0
	Nagaland	133	3	2.3	2.0	-0.1	34	0.0
	Tripura	280	2	3.6	2.6	-0.1	80	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	37.1	-2.3	-22.1
Day peak (MW)	1889.7	-208.0	-1069.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	270.8	-276.6	101.3	-81.5	-14.4	-0.3
Actual(MU)	264.5	-269.8	125.1	-97.3	-14.1	8.4
O/D/U/D(MU)	-6.3	6.8	23.8	-15.8	0.3	8.8

#### F. Generation Outage(MW)

1. Generation Gutage(MTV)						
	NR	WR	SR	ER	NER	Total
Central Sector	4809	17586	9652	2980	669	35696
State Sector	9360	13839	8360	4470	50	36079
Total	14169	31425	18012	7450	719	71775

#### G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	511	1079	473	425	9	2497
Lignite	20	14	37	0	0	71
Hydro	360	23	54	114	31	583
Nuclear	27	30	55	0	0	112
Gas, Naptha & Diesel	32	49	11	0	24	117
RES (Wind, Solar, Biomass & Others)	101	187	222	2	0	512
Total	1052	1383	852	540	64	3890

Share of RES in total generation (%)	9.60	13.53	26.08	0.34	0.11	13.17
Share of Non-fossil fuel (Hydro, Nuclear and	46.46	17 25	38.89	21.38	48.95	31.01
RES) in total generation (%)	40.40	17.35	30.09	21.36	40.93	31.01

II. Diversity I detor	
All India Demand Diversity Factor	1.027

All India Demand Diversity Factor 1.027

Diversity factor = Sum of regional maximum demands / All India maximum demand

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

		<u>IN</u> 7	TER-REGI	ONAL EXCH	ANGES	Date of 1	Reporting	: 13-Jul-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)	D.(C)		640	0.0	10.5	10.7
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	D/C S/C	0 15	649 245	0.0	10.7 3.4	-10.7 -3.4
3	7001	GAYA-BALIA	S/C	0	422	0.0	6.3	-6.3
4	HVDC	ALIPURDUAR-AGRA	-	0	1701	0.0	39.1	-39.1
5	пове	PUSAULI B/B	S/C	0	98	0.0	2.4	-2.4
6 7		PUSAULI-VARANASI	S/C	0	74	0.0	1.1	-1.1
8	-	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	S/C D/C	0	74 523	0.0	1.1 8.5	-1.1 -8.5
9	400 kV	PATNA-BALIA	Q/C	0	661	0.0	14.0	-14.0
10	1	BIHARSHARIFF-BALIA	D/C	0	240	0.0	4.5	-4.5
11		MOTIHARI-GORAKHPUR	D/C	0	379	0.0	7.3	-7.3
12		BIHARSHARIFF-VARANASI	D/C	22	171	0.0	2.4	-2.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	173	0.0	2.8	-2.8
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0 ER-NR	0.0	0.0	0.0
Import/E	Evnort of	ER (With WR)			ER-NR	0.5	103.7	-103.1
-	Aport of			40		25 -		2
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1897	0	35.9	0.0	35.9
19	/ 03 KV	NEW RANCHI-DHARAMJAIGARH	D/C	744	154	9.5	0.0	9.5
20	-	JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	D/C Q/C	289 307	0 59	4.1 3.5	0.0	4.1 3.5
22	400 kV	RANCHI-SIPAT	D/C	305	18	4.0	0.0	4.0
23	220 1 77	BUDHIPADAR-RAIGARH	S/C	18	52	0.0	0.4	-0.4
24	220 kV	BUDHIPADAR-KORBA	D/C	240	0	4.9	0.0	4.9
					ER-WR	61.8	0.4	61.4
		ER (With SR)						
25		ANGUL-SRIKAKULAM	D/C	0.0	1927.0	0.0	25.4	-25.4
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	675.0	0.0	14.0	-14.0
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2466.0	0.0	46.6	-46.6
28 29	400 kV 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	D/C S/C	4.0	0.0	0.0	0.0	-14.4 0.0
29	220 K V	BALINELA-OFFER-SILERRO	3/C	4.0	ER-SR	0.0	85.9	-85.9
Import/F	Export of	ER (With NER)						
30	400 1-37	BINAGURI-BONGAIGAON	D/C	0	693	0.0	8.5	-9
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	568	203	7.0	0.0	7
32	220 kV	ALIPURDUAR-SALAKATI	D/C	30	117	0.0	0.6	-1
					ER-NER	7.0	9.1	-2.2
Import/F								T
		NER (With NR)						-18.5
33		NER (With NR) BISWANATH CHARIALI-AGRA	-	1004	0 NED ND	0.0	18.5	
33	HVDC	BISWANATH CHARIALI-AGRA	-	1004	0 NER-NR	0.0	18.5	-18.5
33 Import/E	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)			NER-NR	0.0	18.5	-18.5
33 Import/E	HVDC Export of	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA	D/C	0	NER-NR 1005	0.0	<b>18.5</b> 23.7	<b>-18.5</b> -23.7
33	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR)			NER-NR	0.0	18.5	-18.5
33 Import/E 34 35	HVDC Export of	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B	D/C D/C	0 452	1005 251	0.0	23.7 6.7	-18.5 -23.7 -6.7
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	0 452 0	NER-NR  1005 251 1171	0.0 0.0 0.0 0.0	23.7 6.7 29.1	-18.5 -23.7 -6.7 -29.1
33 Import/E 34 35 36 37	Export of HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  CHAMPA-KURUKSHETRA  V'CHAL B/B  APL -MHG  GWALIOR-AGRA	D/C D/C D/C D/C	0 452 0 0	NER-NR  1005 251 1171 2156	0.0 0.0 0.0 0.0 0.0	23.7 6.7 29.1 35.2	-18.5 -23.7 -6.7 -29.1 -35.2
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 D/C S/C	0 452 0 0 0 0 0 311	1005 251 1171 2156 1069 944 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1
33 Import/E 34 35 36 37 38 39 40 41	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	0 452 0 0 0 0 0 311	NER-NR  1005 251 1171 2156 1069 944 0 1292	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 6.1	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9
33  Import/F 34 35 36 37 38 39 40 41 42	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 S/C S/C D/C	0 452 0 0 0 0 0 311 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820	0.0 0.0 0.0 0.0 0.0 0.0 0.0 6.1 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3
33  Import/E 34 35 36 37 38 39 40 41 42 43	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 D/C D/C D/C S/C S/C S/C S/C S/C	0 452 0 0 0 0 0 311 0 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74	0.0 0.0 0.0 0.0 0.0 0.0 0.0 6.1 0.0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7
33  Import/E 34 35 36 37 38 39 40 41 42 43 44	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	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	0 452 0 0 0 0 311 0 0 0 126 291	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 6.1 0.0 0.0 0.9 4.6	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6
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 D/C D/C D/C S/C S/C S/C S/C S/C S/C	0 452 0 0 0 0 311 0 0 126 291	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 6.1 0.0 0.0 0.9 4.6 22.3	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6  22.3
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  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 D/C	0 452 0 0 0 0 311 0 0 126 291 967 69	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  -6.1  -25.9  10.3  0.7  4.6  22.3  -2
33  Import/E 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	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 0 311 0 0 126 291	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7
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  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 D/C	0 452 0 0 0 0 311 0 0 126 291 967 69	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  -6.1  -25.9  10.3  0.7  4.6  22.3  -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  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	0 452 0 0 0 0 311 0 0 126 291 967 69 16 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7  -3.2
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 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 0 311 0 0 126 291 967 69 16 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175	0.0 0.0 0.0 0.0 0.0 0.0 0.0 6.1 0.0 0.0 0.9 4.6 22.3 0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2 0.7 3.2 0.0	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7  -3.2  1.0
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	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  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	0 452 0 0 0 0 311 0 0 126 291 967 69 16 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2 0.7 3.2 0.0	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7  -3.2  1.0  0.2
33  Import/E 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  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-JURAIYA  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 0 311 0 0 126 291 967 69 16 0 89 54	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175 0 14 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2 0.7 3.2 0.0 0.0 0.0 10.6 10.6 10.6 10.6 10.6 10	-18.5  -23.7 -6.7 -29.1 -35.2 -19.6 -30.7 -6.1 -25.9 10.3 0.7 4.6 22.3 -2 -0.7 -3.2 1.0 0.2 0.0 -131.1
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51  Import/E 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 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 0 311 0 0 126 291 967 69 16 0 89 54	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175 0 14 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2 0.7 3.2 0.0 0.0 0.0 186.9	-18.5  -23.7 -6.7 -29.1 -35.2 -19.6 -30.7 -6.1 -25.9 10.3 0.7 4.6 22.3 -2 -0.7 -3.2 1.0 0.2 0.0 -131.1
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  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-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	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 0 311 0 0 126 291 967 69 16 0 89 54 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175 0 14 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.7 3.2 0.0 0.0 0.0 186.9	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7  -3.2  1.0  0.2  0.0  -131.1
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  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 0 311 0 0 126 291 967 69 16 0 89 54 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175 0 14 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2 0.7 3.2 0.0 0.0 186.9	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7  -3.2  1.0  0.2  0.0  -131.1
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 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 0 311 0 0 126 291 967 69 16 0 89 54 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175 0 14 0 WR-NR	0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2 0.7 3.2 0.0 0.0 186.9	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7  -3.2  1.0  0.2  0.0  -131.1
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  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  CHITTORGARI-BANASKANTHA  ZERDA-KANKROLI  ZERDA -BHINMAL  V'CHAL -RIHAND  RAPP-SHUJALPUR  BHANPURA-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHADRUK-LSILERU  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 S/C S/C S	0 452 0 0 0 0 311 0 0 0 126 291 967 69 16 0 89 54 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175 0 14 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2 0.7 3.2 0.0 0.0 186.9	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7  -3.2  1.0  0.2  0.0  -131.1  -20.2  0.0  -19.7  -32.8  -0.1
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 50 51  Import/E 52 53 54 55 56 57	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-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI	D/C	0 452 0 0 0 0 311 0 0 0 126 291 967 69 16 0 89 54 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175 0 14 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2 0.7 3.2 0.0 0.0 186.9 20.2 20.2 20.0 19.7 32.8 2.7 0.0	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7  -3.2  1.0  0.2  0.0  -131.1  -20.2  0.0  -19.7  -32.8  -0.1  0.0
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 50 51  Import/E 52 53 54 55 56 57 58	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  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)  BHASEURI-LSILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI	D/C	0 452 0 0 0 0 311 0 0 126 291 967 69 16 0 89 54 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175 0 14 0 WR-NR	0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2 0.7 3.2 0.0 0.0 186.9 20.2 0.0 19.7 32.8 2.7 0.0 1.5	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  -6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7  -3.2  1.0  0.2  0.0  -131.1  -20.2  0.0  -19.7  -32.8  -0.1  0.0  -1.5
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 50 51  Import/E 52 53 54 55 56 57	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-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI	D/C	0 452 0 0 0 0 311 0 0 0 126 291 967 69 16 0 89 54 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175 0 14 0 WR-NR  1002 0 1726 2634 557 0 84 48	0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2 0.7 3.2 0.0 0.0 186.9 20.2 0.0 19.7 32.8 2.7 0.0 0.0	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7  -3.2  1.0  0.2  0.0  -131.1  -20.2  0.0  -19.7  -32.8  -0.1  0.0  -1.5  0.9
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 50 51  Import/E 52 53 54 55 56 57 58	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-WORAK  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	0 452 0 0 0 0 311 0 0 126 291 967 69 16 0 89 54 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175 0 14 0 WR-NR  1002 0 1726 2634 557 0 84 48 WR-SR	0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2 0.7 3.2 0.0 0.0 186.9 20.2 0.0 19.7 32.8 2.7 0.0 1.5	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7  -3.2  1.0  0.2  0.0  -131.1  -20.2  0.0  -19.7  -32.8  -0.1  0.0  -1.5
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  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  GWALIOR-SAWAI MADHOPUR  WR (With SR)  BHADRAWATI B/B  BARSUR-L-SILERU  SOLAPUR-RAICHUR  WARDHA-NICAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI	D/C	0 452 0 0 0 0 311 0 0 126 291 967 69 16 0 89 54 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175 0 14 0 WR-NR  1002 0 1726 2634 557 0 84 48 WR-SR	0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2 0.7 3.2 0.0 0.0 186.9 20.2 0.0 19.7 32.8 2.7 0.0 0.0	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  -6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7  -3.2  1.0  0.2  0.0  -131.1  -20.2  0.0  -19.7  -32.8  -0.1  0.0  -1.5  0.9  -73.4
33  Import/E 34 35 36 37 38 39 40 41 42 43 44 45 50 51  Import/E 52 53 54 55 56 57 58	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-WORAK  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	0 452 0 0 0 0 311 0 0 126 291 967 69 16 0 89 54 0	NER-NR  1005 251 1171 2156 1069 944 0 1292 820 74 0 0 326 71 175 0 14 0 WR-NR  1002 0 1726 2634 557 0 84 48 WR-SR	0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0	23.7 6.7 29.1 35.2 19.6 30.7 0.0 25.9 10.3 0.2 0.0 0.0 2 0.7 3.2 0.0 0.0 186.9 20.2 0.0 19.7 32.8 2.7 0.0 0.0	-18.5  -23.7  -6.7  -29.1  -35.2  -19.6  -30.7  6.1  -25.9  10.3  0.7  4.6  22.3  -2  -0.7  -3.2  1.0  0.2  0.0  -131.1  -20.2  0.0  -19.7  -32.8  -0.1  0.0  -1.5  0.9