

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 इन्स्टीट्युशनल एरिया, कटवारिया सराये, न्यु दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 26th Dec 2019

To,

- 1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता ७०००३३ 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., २९ , रेस कोर्स क्रॉस रोड, बंगलुरु -560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 25.12.2019.

महोदय/Dear Sir.

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-दिसम्बर-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध है ।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 25 Dec 2019, is available at the NLDC website.

धन्यवाद,

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

Report for previous day Date of Reporting 26-Dec-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	48658	46824	37738	17828	2368	153416
Peak Shortage (MW)	557	0	0	0	27	584
Energy Met (MU)	970	1132	929	344	41	3416
Hydro Gen (MU)	122	41	84	32	9	288
Wind Gen (MU)	16	58	37			112
Solar Gen (MU)*	23.20	17.70	73.20	1.44	0.02	116
Energy Shortage (MU)	14.1	0.0	0.0	0.0	0.2	14.2
Maximum Demand Met during the day (MW) & time	49882	54934	44318	18158	2444	164688
(from NLDC SCADA)	18:31	10:59	09:57	18:53	17:58	10:28

B. Frequency Profile (%)

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.038	0.00	0.65	6.70	7.35	76.74	15.91

C. Power Supply Position in States

Region	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
	Punjab	6057	0	121.2	54.6	-1.4	69	0.0
	Haryana	6881	0	132.1	83.0	0.3	188	0.0
	Rajasthan	12997	0	235.6	61.1	-0.3	435	0.0
	Delhi	4700	0	76.9	56.4	1.7	500	0.0
NR	UP	15223	545	277.3	114.9	-0.8	659	1.5
	Uttarakhand	2050	0	40.0	27.2	-0.1	163	0.1
	HP	1676	38	30.0	23.2	-0.5	171	0.2
	J&K(UT) and Ladakh(UT)	2411	603	52.5	44.5	2.6	349	12.3
	Chandigarh	263	0	4.5	4.1	0.4	56	0.0
	Chhattisgarh	3602	0	78.6	21.1	-1.9	212	0.0
	Gujarat	15545	0	325.4	81.6	-2.1	786	0.0
	MP	13084	0	237.4	121.6	-2.7	495	0.0
WR	Maharashtra	22125	0	447.8	154.0	-1.1	499	0.0
WK	Goa	564	0	10.9	11.2	-0.3	31	0.0
	DD	335	0	7.5	6.9	0.6	48	0.0
	DNH	806	0	19.0	18.9	0.1	29	0.0
	Essar steel	286	0	5.7	5.8	-0.1	258	0.0
	Andhra Pradesh	8292	0	164.5	67.2	-1.2	238	0.0
	Telangana	10887	0	225.7	118.8	-0.4	495	0.0
SR	Karnataka	11522	0	204.1	52.9	-0.9	582	0.0
3N	Kerala	3278	0	66.9	55.2	1.0	186	0.0
	Tamil Nadu	12323	0	261.1	147.2	-0.9	441	0.0
	Pondy	320	0	6.4	7.0	-0.6	37	0.0
	Bihar	4278	0	75.4	73.1	1.0	230	0.0
	DVC	3223	0	65.7	-30.2	-0.6	300	0.0
ER	Jharkhand	1323	0	25.1	16.4	-0.5	100	0.0
EN	Odisha	3599	0	65.6	7.3	-1.0	200	0.0
	West Bengal	5924	0	110.3	26.2	1.6	400	0.0
	Sikkim	136	0	2.0	1.8	0.2	80	0.0
	Arunachal Pradesh	118	2	2.2	1.9	0.1	40	0.0
	Assam	1361	12	22.5	17.5	0.5	100	0.1
	Manipur	203	1	2.7	3.1	-0.3	38	0.0
NER	Meghalaya	332	0	6.4	3.1	0.5	72	0.0
	Mizoram	102	1	1.8	1.3	0.1	43	0.0
	Nagaland	122	2	2.2	2.2	-0.2	13	0.0
	Tripura	226	2	3.7	1.7	0.1	33	0.0

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

Fr (Copy Fr	Bhutan	Nepal	Bangladesh
Actual(MU)	5.1	-8.7	-7.5
Day peak (MW)	319.6	-512.8	-564.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	217.6	-248.7	123.7	-90.9	-0.9	0.7
Actual(MU)	220.3	-269.0	129.9	-85.4	0.6	-3.6
O/D/U/D(MU)	2.7	-20.3	6.3	5.5	1.5	-4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4881	15833	5952	2120	597	29382
State Sector	11700	15849	9420	4890	11	41870
Total	16581	31681	15372	7010	608	71252

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	491	1217	455	424	13	2601
Lignite	23	13	54	0	0	90
Hydro	122	41	84	32	9	288
Nuclear	28	27	44	0	0	100
Gas, Naptha & Diesel	34	29	17	0	24	105
RES (Wind, Solar, Biomass & Others)	69	87	156	1	0	313
Total	768	1415	811	458	46	3497

Share of RES in total generation (%)	8.99	6.13	19.25	0.32	0.04	8.96
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.58	10.99	35.07	7.28	19.34	20.06

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031	
Based on State Max Demands	1.070	

Diversity factor = Sum of regional or state-wise maximum demands / All India maximum demand

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

		<u>IN'</u>	TER-REGI	ONAL EXCH	ANGES	Date of 1	Reporting :	26-Dec-19
								Import=(+ve) /Export =(-ve) for NET (MU)
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/F		ER (With NR)					(/	()
5	HVDC	ALIPURDUAR-AGRA PUSAULI B/B	S/C	0	0 299	0.0	7.1	0.0 -7.1
1		GAYA-VARANASI	D/C	62	774	0.0	9.1	-9.1
2	765kV	SASARAM-FATEHPUR	S/C	0	177	0.0	4.9	-4.9
3		GAYA-BALIA	S/C	0	463	0.0	7.0	-7.0
6	_	PUSAULI-VARANASI	S/C	0	233	0.0	4.2	-4.2
7	_	PUSAULI -ALLAHABAD	S/C	0	176	0.0	2.7	-2.7
9	400 kV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	D/C O/C	0	936 921	0.0	10.5	-10.5 -14.8
10	400 K	BIHARSHARIFF-BALIA	D/C	0	487	0.0	7.3	-7.3
11	1	MOTIHARI-GORAKHPUR	D/C	0	5	0.0	0.0	0.0
12	1	BIHARSHARIFF-VARANASI	D/C	69	323	0.0	2.7	-2.7
13	220 kV	PUSAULI-SAHUPURI	S/C	27	141	0.0	1.3	-1.3
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	0.0	0.0	0.0
Import/F	Evnort of	FR (With WP)			ER-NR	0.4	64.4	-64.0
	export of	ER (With WR)	 		1			
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1221	0	17.6	0.0	17.6
19	/05 KV	NEW RANCHI-DHARAMJAIGARH	D/C	498	210	2.2	0.0	2.2
20		JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	D/C Q/C	128 346	164 122	0.0 2.3	0.0	-1.4 2.3
22	400 kV	JHARSUGUDA-RAIGARH RANCHI-SIPAT	D/C	195	74	1.8	0.0	1.8
23		BUDHIPADAR-RAIGARH	S/C	36	71	0.0	0.7	-0.7
24	220 kV	BUDHIPADAR-KORBA	D/C	169	0	2.6	0.0	2.6
	•				ER-WR	26.6	2.0	24.6
Import/E	Export of	ER (With SR)			_			
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	658.0	0.0	10.9	-10.9
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2458.0	0.0	47.3	-47.3
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2069.0	0.0	39.4	-39.4
28	400 kV	TALCHER-I/C	D/C	402.0	966.0	0.0	6.8	-6.8
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0 ER-SR	0.0	0.0 97.6	0.0 -97.6
Import/E	Export of	ER (With NER)			231 511	0.0	77.0	-57.0
30	T	BINAGURI-BONGAIGAON	D/C	292	64	4.4	0.0	4
31	400 kV	ALIPURDUAR-BONGAIGAON	D/C	345	17	5.3	0.0	5
32	220 kV	ALIPURDUAR-SALAKATI	D/C	69	31	0.8	0.0	1
					ER-NER	10.5	0.0	10.5
Import/F	Termont of							
_	-	NER (With NR)			_			
33	HVDC	NER (With NR) BISWANATH CHARIALI-AGRA	-	489	0 NED VID	11.7	0.0	11.7
	HVDC	BISWANATH CHARIALI-AGRA	-	489	0 NER-NR	11.7 11.7	0.0	11.7
Import/E	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)			NER-NR	11.7	0.0	11.7
Import/E	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	D/C	0	NER-NR 1858	0.0	0.0 46.6	-46.6
Import/E	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)			NER-NR	11.7	0.0 46.6 5.4	11.7
34 35	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B	D/C D/C	0 94	NER-NR 1858 251	0.0 0.3	0.0 46.6	-46.6 -5.1
34 35 36	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG	D/C D/C D/C	0 94 0	NER-NR 1858 251 1923	0.0 0.3 0.0	0.0 46.6 5.4 38.7	-46.6 -5.1 -38.7
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 94 0 0 0	NER-NR 1858 251 1923 2275 1513 848	0.0 0.3 0.0 0.0 0.0 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5	-46.6 -5.1 -38.7 -42.9 -18.3 -25.5
34 35 36 37 38	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR	D/C D/C D/C D/C D/C D/C	0 94 0 0 0 0 0	NER-NR 1858 251 1923 2275 1513 848 0	0.0 0.3 0.0 0.0 0.0 0.0 0.0 11.1	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0	-46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1
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 SATNA-ORAI	D/C D/C D/C D/C D/C D/C S/C S/C	0 94 0 0 0 0 0 842	NER-NR 1858 251 1923 2275 1513 848 0 1398	0.0 0.3 0.0 0.0 0.0 0.0 0.0 11.1	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5	-46.6 -5.1 -38.7 -42.9 -18.3 -25.5 -11.1 -27.5
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 94 0 0 0 0 0 842 0 357	NER-NR 1858 251 1923 2275 1513 8448 0 1398 888	0.0 0.3 0.0 0.0 0.0 0.0 0.0 11.1 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3	-46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3
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 D/C D/C S/C S/C S/C S/C S/C	0 94 0 0 0 0 0 842 0 357 219	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133	0.0 0.3 0.0 0.0 0.0 0.0 0.0 11.1 0.0 0.0	46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0	-46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3
34 35 36 37 38 39 40 41 42 43 44	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 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	0 94 0 0 0 0 0 842 0 357 219 278	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339	0.0 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.1 0.0 0.0	46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.2	-46.6 -5.1 -38.7 -42.9 -18.3 -25.5 -11.1 -27.5 -2.3 -1.5 -0.2
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	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	0 94 0 0 0 0 0 842 0 357 219 278 975	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0	0.0 0.3 0.0 0.0 0.0 0.0 0.0 11.1 0.0 0.0 1.5 0.0	46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.2	-46.6 -5.1 -38.7 -42.9 -18.3 -25.5 -11.1 -27.5 -2.3 -1.5 -0.2 -21.7
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 D/C	0 94 0 0 0 0 842 0 357 219 278 975 304	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275	0.0 0.3 0.0 0.0 0.0 0.0 0.0 11.1 0.0 0.0 1.5 0.0 21.7	46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.2 0.0	-46.6 -5.1 -38.7 -42.9 -18.3 -25.5 -11.1 -27.5 -2.3 -1.5 -0.2 -21.7 0
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 SATINA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHISMAL 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 94 0 0 0 0 842 0 357 219 278 975 304	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275 67	0.0 0.3 0.0 0.0 0.0 0.0 0.0 11.1 0.0 0.0 1.5 0.0	46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.2 0.0 0.0	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0
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 D/C	0 94 0 0 0 0 842 0 357 219 278 975 304	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275	11.7 0.0 0.3 0.0 0.0 0.0 0.0 11.1 0.0 0.0	46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.2 0.0	-46.6 -5.1 -38.7 -42.9 -18.3 -25.5 -11.1 -27.5 -2.3 -1.5 -0.2 -21.7 0
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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 94 0 0 0 0 842 0 357 219 278 975 304 47 51	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275 67 80	11.7 0.0 0.3 0.0 0.0 0.0 0.0 11.1 0.0 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.2 0.0 0.0 0.0 0.5	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3
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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 94 0 0 0 0 842 0 357 219 278 975 304 47 51 83	NER-NR 1858 251 1923 2275 1513 8448 0 1398 888 133 339 0 275 67 80 0	0.0 0.3 0.0 0.0 0.0 0.0 0.0 0.0 11.1 0.0 0.0 1.5 0.0 21.7 0 1.0 0.2	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.2 0.0 0.0 0.0 0.5 0.0	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2
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 - 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-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 94 0 0 0 0 842 0 357 219 278 975 304 47 51 83 38	NER-NR 1858 251 1923 2275 1513 8448 0 1398 888 133 339 0 275 67 80 0 28	0.0 0.3 0.0 0.0 0.0 0.0 0.0 0.0 11.1 0.0 0.0 1.5 0.0 21.7 0 0.0 1.0 0.2 1.2	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.2 0.0 0.0 0.0 0.5 0.0	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2 0.2
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 MWALANPUR-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 94 0 0 0 0 0 842 0 357 219 278 975 304 47 51 83 38	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275 67 80 0 28 0 WR-NR	11.7 0.0 0.3 0.0 0.0 0.0 0.0 11.1 0.0 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0 0.0 0.0 0.5 0.0 0.1 0.0 207.9	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2 0.2 0.0 -170.2
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-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 94 0 0 0 0 842 0 357 219 278 975 304 47 51 83 38 0	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275 67 80 0 WR-NR	11.7 0.0 0.3 0.0 0.0 0.0 0.0 11.1 0.0 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.2 0.0 0.0 0.5 0.0 0.1 0.0 207.9	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2 0.2 0.0 -170.2
Section Sect	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 SATTNA-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 D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 94 0 0 0 0 842 0 357 219 278 975 304 47 51 83 38 0	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275 67 80 0 28 0 WR-NR	11.7 0.0 0.3 0.0 0.0 0.0 0.0 11.1 0.0 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.2 0.0 0.0 0.5 0.0 0.1 0.0 207.9	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2 0.2 0.0 -170.2
Mport/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 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-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L SILERU SOLAPUR-RAICHUR	D/C	0 94 0 0 0 0 0 842 0 357 219 278 975 304 47 51 83 38 0	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275 67 80 0 28 0 WR-NR	11.7 0.0 0.3 0.0 0.0 0.0 0.0 11.1 0.0 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.0 0.0 0.0 0.1 0.0 207.9	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2 0.2 0.0 -170.2
Import/F 34 35 36 37 38 39 40 41 42 43 44 45 50 51 Import/F 52 53 54 55	HVDC Export of HVDC 765 kV 400 kV 220 kV 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 BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	D/C	0 94 0 0 0 0 842 0 357 219 278 975 304 47 51 83 38 0	NER-NR 1858 251 1923 2275 1513 8448 0 1398 888 133 339 0 275 67 80 0 28 0 WR-NR	11.7 0.0 0.3 0.0 0.0 0.0 0.0 11.1 0.0 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0 0 0.5 0.0 0.1 0.0 207.9 8.8 0.0 27.2 47.1	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2 0.0 -170.2
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 HVDC 765 kV 400 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-RANPUR BHANPURA-WARMAN MEHGAON-AURAIYA MALANPUR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BHASUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	D/C	0 94 0 0 0 0 0 842 0 357 219 278 975 304 47 51 83 38 0	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275 67 80 0 28 0 WR-NR	0.0 0.3 0.0 0.0 0.0 0.0 0.0 0.0 11.1 0.0 0.0 1.5 0.0 21.7 0 1.0 0.2 1.2 0.3 0.0 37.7 0 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.1	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.2 0.0 0.0 0.5 0.0 207.9 8.8 0.0 27.2 47.1 0.0	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2 0.2 0.0 -170.2 -8.8 0.0 -27.1 -47.1 11.3
Section Sect	#VDC Export of HVDC 765 kV 400 kV 132kV 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 BHANPURA-RANPUR BHANPURA-WANPUR GWALIOR-SAWAI MADHOPUR WR (With SR) BHARAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	D/C	0 94 0 0 0 0 0 842 0 357 219 278 975 304 47 51 83 38 0	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275 67 80 0 WR-NR 515 0 1974 2754 0 0	11.7 0.0 0.3 0.0 0.0 0.0 0.0 11.1 0.0 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.2 0.0 0.0 0.5 0.0 0.1 0.0 207.9 8.8 0.0 27.2 47.1 0.0 0.0	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2 0.2 0.0 -170.2 -8.8 0.0 -27.1 -47.1 11.3 0.0
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 220 kV 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 BHANPURA-RANPUR BHANPURA-WANFANAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHASEAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C	0 94 0 0 0 0 842 0 357 219 278 975 304 47 51 83 38 0	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275 67 80 0 28 0 WR-NR 515 0 1974 2754 0 0 70	11.7 0.0 0.3 0.0 0.0 0.0 11.1 0.0 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0 0.0 0.5 0.0 0.1 207.9 8.8 0.0 27.2 47.1 0.0 0.0 1.4	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2 0.2 0.0 -170.2 -8.8 0.0 -27.1 -47.1 11.3 0.0 -1.4
Mport/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Mport/F 52 53 54 55 56 57	#VDC Export of HVDC 765 kV 400 kV 132kV 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 BHANPURA-RANPUR BHANPURA-WANPUR GWALIOR-SAWAI MADHOPUR WR (With SR) BHARAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	D/C	0 94 0 0 0 0 0 842 0 357 219 278 975 304 47 51 83 38 0	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275 67 80 0 28 0 WR-NR 515 0 1974 2754 0 0 70 78	11.7 0.0 0.3 0.0 0.0 0.0 0.0 11.1 0.0 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.0 0.0 0.5 0.0 207.9 8.8 0.0 27.2 47.1 0.0 0.0 1.4	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2 0.2 0.0 -170.2 -8.8 0.0 -27.1 -47.1 11.3 0.0 -1.4 1.6
mport/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	#VDC Export of HVDC 765 kV 400 kV 132kV 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 BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-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 94 0 0 0 0 842 0 357 219 278 975 304 47 51 83 38 0	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275 67 80 0 28 0 WR-NR 515 0 1974 2754 0 0 70 78 WR-SR	11.7 0.0 0.3 0.0 0.0 0.0 11.1 0.0 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0 0.0 0.5 0.0 0.1 207.9 8.8 0.0 27.2 47.1 0.0 0.0 1.4	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2 0.2 0.0 -170.2 -8.8 0.0 -27.1 -47.1 11.3 0.0 -1.4
mport/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/F 52 53 54 55 56 57 58 59	#VDC Export of HVDC 765 kV 400 kV 132kV 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 SATINA-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-CHIKODI PONDA-AMBEWADI XELDEM-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 94 0 0 0 0 842 0 357 219 278 975 304 47 51 83 38 0	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275 67 80 0 28 0 WR-NR 515 0 1974 2754 0 0 70 78 WR-SR	11.7 0.0 0.3 0.0 0.0 0.0 0.0 11.1 0.0 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.0 0.0 0.5 0.0 207.9 8.8 0.0 27.2 47.1 0.0 0.0 1.4	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2 0.2 0.0 -170.2 -8.8 0.0 -27.1 -47.1 11.3 0.0 -1.4 1.6 -71.6
mport/F 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 mport/F 52 53 54 55 56 57 58	#VDC Export of HVDC 765 kV 400 kV 132kV 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 BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-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 94 0 0 0 0 842 0 357 219 278 975 304 47 51 83 38 0	NER-NR 1858 251 1923 2275 1513 848 0 1398 888 133 339 0 275 67 80 0 28 0 WR-NR 515 0 1974 2754 0 0 70 78 WR-SR	11.7 0.0 0.3 0.0 0.0 0.0 0.0 11.1 0.0 0.0	0.0 46.6 5.4 38.7 42.9 18.3 25.5 0.0 27.5 2.3 0.0 0.0 0.0 0.5 0.0 207.9 8.8 0.0 27.2 47.1 0.0 0.0 1.4	11.7 -46.6 -5.1 -38.7 -42.9 -18.3 -25.5 11.1 -27.5 -2.3 1.5 -0.2 21.7 0 1.0 -0.3 1.2 0.2 0.0 -170.2 -8.8 0.0 -27.1 -47.1 11.3 0.0 -1.4 1.6