

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पाँवर 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: 25th June 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., २९ , रेस कोर्स क्रॉस रोड, बंगलुरु –५६०००९ Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 24.06.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-जून-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 24rd June 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 25-Jun-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)	54587	47271	41707	20658	2687	166910
Peak Shortage (MW)	531	0	0	0	276	807
Energy Met (MU)	1318	1096	929	477	54	3874
Hydro Gen (MU)	341	12	47	87	17	503
Wind Gen (MU)	11	33	110			154
Solar Gen (MU)*	22.28	19.1	71.54	2.23	0.03	115
Energy Shortage (MU)	13.6	0.0	0.0	0.0	1.1	14.7
Maximum Demand Met during the day	59191	48599	42065	23192	2765	172959
(MW) & time (from NLDC SCADA)	23:09	15:02	19:37	23:33	20:19	22:39

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 0.033

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	11561	0	249.8	129.4	-0.7	306	0.0
	Haryana	9123	0	197.7	144.7	0.1	205	0.0
	Rajasthan	11035	0	240.6	81.4	1.6	500	0.0
NR	Delhi	5876	0	123.2	101.0	1.1	443	0.0
	UP	19038	180	383.0	168.7	1.2	734	2.3
	Uttarakhand	1868	0	40.1	13.7	-0.4	114	0.0
	HP	1397	0	28.7	2.7	-0.8	53	0.0
	J&K	2189	386	48.5	21.3	2.2	681	11.3
	Chandigarh	328	0	6.2	7.0	-0.8	29	0.0
	Chhattisgarh	3826	0	85.2	33.5	2.1	540	0.0
	Gujarat	15833	0	340.6	81.0	5.2	641	0.0
	MP	8291	0	190.4	107.0	-0.1	494	0.0
WR	Maharashtra	19213	0	436.2	123.2	1.4	343	0.0
WK	Goa	541	0	12.4	11.7	0.1	61	0.0
	DD	318	0	7.2	7.0	0.2	36	0.0
	DNH	804	0	18.6	18.8	-0.2	45	0.0
	Essar steel	329	0	5.6	5.8	-0.2	246	0.0
	Andhra Pradesh	8450	0	176.2	43.3	1.1	568	0.0
	Telangana	7287	0	151.8	35.8	-0.6	489	0.0
SR	Karnataka	10114	0	191.5	70.2	1.3	836	0.0
3N	Kerala	3656	0	71.4	55.6	2.0	254	0.0
	Tamil Nadu	15111	0	329.9	130.5	-0.4	401	0.0
	Pondy	404	0	8.4	8.7	-0.3	47	0.0
	Bihar	5363	0	109.3	104.7	-0.2	50	0.0
	DVC	3359	0	66.7	-51.9	0.0	200	0.0
ER	Jharkhand	1172	0	25.3	16.0	0.1	100	0.0
LIV	Odisha	4360	0	91.1	30.4	2.9	500	0.0
	West Bengal	9135	0	183.4	61.1	4.6	400	0.0
	Sikkim	99	0	1.2	1.5	-0.3	20	0.0
	Arunachal Pradesh	123	1	2.4	2.6	-0.3	41	0.0
	Assam	1678	172	33.2	27.9	1.0	95	1.0
	Manipur	174	2	2.6	2.3	0.3	38	0.0
NER	Meghalaya	304	0	5.6	2.5	0.3	54	0.0
	Mizoram	99	2	1.9	1.4	0.3	32	0.0
	Nagaland	136	1	2.4	2.5	-0.2	29	0.0
	Tripura	289	16	5.7	4.9	0.4	53	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.3	-11.0	-26.2
Day peak (MW)	649.8	-570.0	-1118.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	280.1	-275.8	26.7	-31.7	0.6	-0.2
Actual(MU)	278.0	-274.6	33.2	-30.2	0.7	7.2
O/D/U/D(MU)	-2.1	1.3	6.5	1.5	0.2	7.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5438	14609	8092	2525	155	30819
State Sector	6110	11833	7310	2750	50	28053
Total	11548	26442	15402	5275	204	58871

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	584	1215	520	432	13	2765
Lignite	22	13	43	0	0	78
Hydro	341	12	47	87	17	503
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	40	57	14	0	29	140
RES (Wind, Solar, Biomass & Others)	48	56	217	2	0	324
Total	1063	1384	895	522	59	3923

Share of RES in total generation (%)	4.55	4.08	24.24	0.44	0.05	8.26
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.18	7.14	35.59	17.10	28.53	23.96

H. Diversity Factor All India Demand Diversity Factor

1.016 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}.$

		IN	TER-REGI	ONAL EXCH	ANGES	Date of 1	Reporting :	25-Jun-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/G	0	0	0.0	7.6	T 7.
2	765kV	GAYA-VARANASI SASARAM-FATEHPUR	D/C S/C	0	0	0.0	7.6	-7.6 0.0
3		GAYA-BALIA	S/C	0	0	0.0	9.1	-9.1
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	10.1	-10.1
5		PUSAULI B/B	S/C	0	0	0.0	4.9 3.9	-4.9
7	1	PUSAULI-VARANASI PUSAULI-ALLAHABAD	S/C S/C	0	0	0.0	0.7	-3.9 -0.7
8	1	MUZAFFARPUR-GORAKHPUR	D/C	0	0	0.0	8.0	-8.0
9	400 kV	PATNA-BALIA	Q/C	0	0	0.0	17.7	-17.7
10	1	BIHARSHARIFF-BALIA	D/C	0	0	0.0	4.4	-4.4
11		MOTIHARI-GORAKHPUR	D/C	0	0	6.0	0.0	6.0
12		BIHARSHARIFF-VARANASI	D/C	0	0	0.9	0.0	0.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	0	0.0	3.3	-3.3
14	1	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	0	0	0.5	0.0	0.5
16 17	4	KARMANASA-SAHUPURI	S/C S/C	0	0	0.0	0.0	0.0
1 /	<u> </u>	KARMANASA-CHANDAULI	S/C	U	ER-NR	7.3	69.6	-62.3
Import/F	Export of	ER (With WR)			T-14K	1.0	07.0	-02.3
18	,	JHARSUGUDA-DHARAMJAIGARH	0/0	0	0	21.2	0.0	21.2
	765 kV		Q/C	-		·		, i
19 20	765 kV	NEW RANCHI-DHARAMJAIGARH JHARSUGUDA-DURG	D/C D/C	0	0	23.0	0.0	23.0
21		JHARSUGUDA-RAIGARH	Q/C	0	0	8.0	0.0	8.0
22	400 kV	RANCHI-SIPAT	D/C	0	0	7.6	0.0	7.6
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.6	-0.6
24	220 KV	BUDHIPADAR-KORBA	D/C	0	0	1.6	0.0	1.6
					ER-WR	64.1	0.6	63.5
	· -	ER (With SR)			1			1
25	1	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	20.7	-20.7
26 27	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C D/C	0.0	0.0	0.0	8.6 21.5	-8.6 -21.5
28	400 kV	TALCHER-KOLAR BIPOLE TALCHER-I/C	D/C D/C	0.0	0.0	5.4	0.0	5.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
					ER-SR	0.0	50.7	-50.7
Import/E	Export of	ER (With NER)						
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	0	0.0	8.5	-9
31	400 K	ALIPURDUAR-BONGAIGAON	D/C	0	0	0.0	2.2	-2
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	0.5	0
T		NER (With NR)			ER-NER	0.0	11.2	-11.2
1mport/F	SXDOFT OF			0	503	0.0		-11.9
22			1	U		0.0		
33	HVDC	BISWANATH CHARIALI-AGRA	-			0.0	11.9	ł
	HVDC		-		NER-NR	0.0	11.9 11.9	-11.9
	HVDC	BISWANATH CHARIALI-AGRA	- D/C	0		0.0		ł
Import/E	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)	D/C D/C	0 452	NER-NR		11.9	-11.9
Import/E	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA			NER-NR 2002	0.0	11.9 47.8	-11.9 -47.8
34 35	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B	D/C	452 0 0	2002 0	0.0 12.3 0.0 0.0	47.8 0.0	-11.9 -47.8 12.3
34 35 36 37 38	HVDC Export of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR	D/C D/C D/C D/C	452 0 0 0	2002 0 1732 2856 1448	0.0 12.3 0.0 0.0 0.0	47.8 0.0 42.6 54.7 29.6	-11.9 -47.8 12.3 -42.6 -54.7 -29.6
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	452 0 0 0 0	2002 0 1732 2856 1448 1076	0.0 12.3 0.0 0.0 0.0 0.0	47.8 0.0 42.6 54.7 29.6 41.4	-47.8 12.3 -42.6 -54.7 -29.6 -41.4
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	452 0 0 0 0 0 0 660	2002 0 1732 2856 1448 1076 0	0.0 12.3 0.0 0.0 0.0 0.0 0.0	11.9 47.8 0.0 42.6 54.7 29.6 41.4 0.0	-47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8
34 35 36 37 38 39 40	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	D/C D/C D/C D/C D/C S/C S/C	452 0 0 0 0 0 0 660	2002 0 1732 2856 1448 1076 0	0.0 12.3 0.0 0.0 0.0 0.0 11.8	11.9 47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8
34 35 36 37 38 39 40 41	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	D/C D/C D/C D/C D/C S/C S/C D/C	452 0 0 0 0 0 660 0 373	2002 0 1732 2856 1448 1076 0 1527 346	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0	47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1
34 35 36 37 38 39 40 41 42 43	HVDC Export of HVDC - 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	D/C D/C D/C D/C D/C S/C S/C D/C S/C S/C S/C	452 0 0 0 0 0 660 0 373 132	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0	11.9 47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1
34 35 36 37 38 39 40 41 42 43	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	452 0 0 0 0 0 660 0 373 132 232	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2	47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2
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 VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR IABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -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	452 0 0 0 0 0 660 0 373 132	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0	11.9 47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1
34 35 36 37 38 39 40 41 42 43	HVDC Export of HVDC - 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	D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C	452 0 0 0 0 0 660 0 373 132 232 978	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5	47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2
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	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	452 0 0 0 0 660 0 373 132 232 978 0	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5	47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4
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 -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	452 0 0 0 0 660 0 373 132 232 978 0 9	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0	47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7
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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	452 0 0 0 0 660 0 373 132 232 978 0 9	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0 0.0	47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8
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 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	452 0 0 0 0 660 0 373 132 232 978 0 9 0 41	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0 0.0 0.0 0.0	47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2
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 - 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	452 0 0 0 0 660 0 373 132 232 978 0 9 0 41	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0 0.0 0.0 0.0 0.0 0.0	47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1 0.6	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2 -0.6
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	452 0 0 0 0 660 0 373 132 232 978 0 9 0 41 10 0	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0 0.0 0.0 49.3	47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1 0.6 0.0 255.2	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2 -0.6 0.0 -205.6
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 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	452 0 0 0 0 660 0 373 132 232 978 0 9 0 41 10 0	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0 0.0 0.3 0.0 0.0 49.3	47.8 0.0 42.6 54.7 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1 0.6 0.0 255.2	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2 -0.6 0.0 -205.6
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 - 220 kV - 132kV	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-KANKROLI ZERDA-BHINMAL VCHAL-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	452 0 0 0 0 660 0 373 132 232 978 0 9 0 41 10 0	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0 0.0 0.3 0.0 0.0 49.3	47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1 0.6 0.0 255.2	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2 -0.6 0.0 -205.6
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 132kV 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 VCHAL-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	452 0 0 0 0 660 0 373 132 232 978 0 9 0 41 10 0	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0 0.0 0.3 0.0 0.0 49.3	47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1 0.6 0.0 255.2	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2 -0.6 0.0 -205.6
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 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	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	452 0 0 0 0 660 0 373 132 232 978 0 9 0 41 10 0	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0 0.0 0.3 0.0 0.0 49.3	11.9 47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1 0.6 0.0 255.2	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2 -0.6 0.0 -205.6
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 132kV Export of HVDC LINK	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) 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	452 0 0 0 0 660 0 373 132 232 978 0 9 0 41 10 0 0 817 467 843	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0 0.0 0.0 49.3	11.9 47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1 0.6 0.0 255.2	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2 -0.6 0.0 -205.6 -10.6 0.0 -3.7 -11.9 12.6
Import/E 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Import/E 52 53 54 55 56 57	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 IABAL PUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHASHAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD 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 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	452 0 0 0 0 0 660 0 373 132 232 978 0 9 0 41 10 0 0 817 467 843 0	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	11.9 47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1 0.6 0.0 255.2	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2 -0.6 0.0 -205.6 -10.6 0.0 -3.7 -11.9 12.6 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 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-RAPPUR BHANPURA-RAPPUR BHANPURA-WARIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RICHUR 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 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	452 0 0 0 0 0 660 0 373 132 232 978 0 9 0 41 10 0 0 817 467 843 0 0	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 12.2 1.5 22.2 0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 1.0 0.0 0	11.9 47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1 0.6 0.0 255.2	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2 -0.6 0.0 -205.6 -10.6 0.0 -3.7 -11.9 12.6 0.0 -1.3
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 IABAL PUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHASHAWATI B/B BARSUR-LSILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD 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	452 0 0 0 0 0 660 0 373 132 232 978 0 9 0 41 10 0 0 817 467 843 0	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0.0 0	11.9 47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1 0.6 0.0 255.2	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2 -0.6 0.0 -205.6 -10.6 0.0 -3.7 -11.9 12.6 0.0 -1.3 0.7
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	452 0 0 0 0 0 660 0 373 132 232 978 0 9 0 41 10 0 0 817 467 843 0 0	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 12.2 1.5 22.2 0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 1.0 0.0 0	11.9 47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1 0.6 0.0 255.2	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2 -0.6 0.0 -205.6 -10.6 0.0 -3.7 -11.9 12.6 0.0 -1.3
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 GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NICHAMBAD 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	452 0 0 0 0 0 660 0 373 132 232 978 0 9 0 41 10 0 0 817 467 843 0 0	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0.0 0	11.9 47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1 0.6 0.0 255.2	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2 -0.6 0.0 -205.6 -10.6 0.0 -3.7 -11.9 12.6 0.0 -1.3 0.7 -14.2
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 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	452 0 0 0 0 0 660 0 373 132 232 978 0 9 0 41 10 0 0 817 467 843 0 0	NER-NR 2002 0 1732 2856 1448 1076 0 1527 346 74 189 0 511 74 106 18 48 0 WR-NR	0.0 12.3 0.0 0.0 0.0 0.0 11.8 0.0 0.0 1.2 1.5 22.2 0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0.0 0	11.9 47.8 0.0 42.6 54.7 29.6 41.4 0.0 31.8 0.1 0.1 0.3 0.0 4 0.7 1.8 0.1 0.6 0.0 255.2	-11.9 -47.8 12.3 -42.6 -54.7 -29.6 -41.4 11.8 -31.8 0.1 1.1 1.2 22.2 -4 -0.7 -1.8 0.2 -0.6 0.0 -205.6 -10.6 0.0 -3.7 -11.9 12.6 0.0 -1.3 0.7