

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: 06th Feb 2018

To,

- 1. कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता 700033 Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 2. महाप्रबंधक, ऊ. क्षे. भा. प्रे. के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 General Manager, 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. महाप्रबंधक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009 General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 05.02.2018.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-Feb - 2018 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 05th Feb 2018, is available at the NLDC website.

धन्यवाद,

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

Report for previous day 6-Feb-18

A. Maximum Demand

	NR	WD	SR	ER	NER	Total
	NK	WR	SK	ER	NER	Total
Demand Met during Evening Peak	43539	44473	40384	18713	2412	149522
hrs(MW) (at 1900 hrs; from RLDCs)	15557	11178	10501	10715	2112	117022
Peak Shortage (MW)	641	22	0	0	58	721
Energy Met (MU)	910	1048	905	354	41	3258
Hydro Gen(MU)	96	18	45	28	8	195
Wind Gen(MU)	15	34	45			93
Solar Gen (MU)*	6.70	13.09	51.03	0.73	0.02	72
Energy Shortage (MU)	14.2	0.2	0.4	0.0	0.6	15.4
Maximum Demand Met during the day	44071	40177	42720	19720	2270	151022
(MW) (from NLDC SCADA)	44971	49176	42730	18729	2370	151923

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	0.032	0.00	0.00	5.08	5.08	81.89	13.03

C. Power Supply Position in States

RegionRegion	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	5481	0	109.0	34.1	0.4	110	0.0
NR	Haryana	6328	88	123.4	61.0	1.9	225	0.2
	Rajasthan	11307	0	211.7	73.8	3.4	402	3.8
	Delhi	3725	0	63.8	46.6	-1.0	228	0.0
	UP	14972	0	293.4	99.3	0.4	801	0.0
	Uttarakhand	1968	0	35.7	27.9	-0.1	127	0.0
	HP	1473	0	26.5	21.8	0.9	287	0.0
	J&K	2055	514	43.4	41.1	-1.7	38	10.2
	Chandigarh	213	0	3.4	3.1	0.3	29	0.0
	Chhattisgarh	3361	234	74.0	9.4	-0.2	233	0.2
G	Gujarat	13795	0	292.5	132.2	1.9	531	0.0
	MP	11239	0	212.4	111.9	-1.0	251	0.0
\A/D	Maharashtra	20637	0	424.7	132.5	0.6	767	0.0
WR	Goa	453	0	9.6	8.7	0.2	74	0.0
	DD	324	0	7.1	6.7	0.4	79	0.0
	DNH	750	0	17.3	16.7	0.6	67	0.0
	Essar steel	482	0	10.1	10.4	-0.2	143	0.0
	Andhra Pradesh	8350	0	166.0	46.3	0.8	480	0.1
	Telangana	9183	0	180.9	76.1	1.2	358	0.1
SR	Karnataka	9603	0	205.3	85.8	0.5	524	0.1
3N	Kerala	3474	0	67.2	55.1	2.1	235	0.0
	Tamil Nadu	14043	0	278.9	156.3	0.3	508	0.1
	Pondy	321	0	6.4	6.9	-0.5	21	0.0
	Bihar	4142	0	68.0	64.9	-1.7	300	0.0
	DVC	3476	0	67.9	-41.9	-1.6	200	0.0
ER	Jharkhand	1142	0	24.6	13.6	0.4	50	0.0
LIV	Odisha	4260	0	76.6	20.4	3.1	310	0.0
	West Bengal	6550	0	115.1	27.0	2.2	280	0.0
	Sikkim	99	0	1.8	1.5	0.3	40	0.0
	Arunachal Pradesh	125	3	2.4	2.1	0.3	44	0.0
	Assam	1410	47	23.1	20.1	0.5	104	0.5
	Manipur	188	0	2.6	2.8	-0.2	17	0.0
NER	Meghalaya	305	0	5.5	4.2	-0.2	38	0.0
	Mizoram	92	0	1.8	1.2	-0.3	24	0.0
	Nagaland	111	3	2.0	1.9	0.0	40	0.0
	Tripura	224	0	3.7	2.3	0.2	43	0.0

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

D. Transmatoma Exemanges (We)	Bhutan	Nepal	Bangladesh
Actual(MU)	2.3	-8.6	-8.8
Day peak (MW)	123.2	-462.0	-632.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	186.1	-218.7	114.1	-81.7	4.2	4.0
Actual(MU)	177.8	-215.4	109.1	-74.9	3.1	-0.4
O/D/U/D(MU)	-8.4	3.3	-5.0	6.8	-1.1	-4.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4927	12231	5162	1220	190	23730
State Sector	10025	17155	6654	4935	50	38819
Total	14952	29386	11816	6155	239	62549

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	553	1159	543	428	10	2692
Hydro	96	17	45	28	8	194
Nuclear	29	24	69	0	0	122
Gas, Naptha & Diesel	26	45	17	0	24	112
RES (Wind, Solar, Biomass & Others)	48	47	142	2	0	239
Total	752	1292	816	457	42	3359

		<u> </u>	A-NLUI(JIJAL ĽA	<u>CHANGES</u>	Date of I	Reporting	: 6-Feb-1
								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)
nport/l	Export of	ER (With NR)		T				T
1	7651-37	GAYA-VARANASI	D/C	0	377	0.0	9.0	-9.0
3	765kV	SASARAM-FATEHPUR GAYA-BALIA	S/C S/C	0	215 339	0.0	0.4 5.2	-0.4 -5.2
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	0	248	0.0	6.1	-6.1
6		PUSAULI-VARANASI	S/C	0	189	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	165	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	342	0.0	5.5	-5.5
9	400 kV	PATNA-BALIA	Q/C	0	951	0.0	18.2	-18.2
10		BIHARSHARIFF-BALIA	D/C	0	328	0.0	4.5	-4.5
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	6.0	-6.0
12		BIHARSHARIFF-VARANASI	D/C	0	322	0.0	1.2	-1.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	163	0.0	3.0	-3.0
14		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	4	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0 ER-NR	0.0 0.5	0.0 59.1	0.0 -58.6
nport/l	Export of	ER (With WR)						
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	10.7	0.0	10.7
19	'US K V	NEW RANCHI-DHARAMJAIGARH	D/C	0	362	0.1	0.0	0.1
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	12	4.6	0.0	4.6
21	400 K V	RANCHI-SIPAT	D/C	0	54	2.8	0.0	2.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	150	0.0	1.5	-1.5
23	220 K V	BUDHIPADAR-KORBA	D/C	0	0	1.9	0.0	1.9
nnort/l	Export of	ER (With SR)			ER-WR	20.1	1.5	18.6
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	19.0	-19.0
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	345.7	0.0	13.7	-13.7
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2241.5	0.0	43.2	-43.2
27	400 kV	TALCHER-I/C	D/C	0.0	962.1	4.5	1.2	3.3
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
					ER-SR	0.0	75.9	-75.9
nport/l	Export of	ER (With NER)						
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	975	1.0	0.0	1
30	400 K V	ALIPURDUAR-BONGAIGAON	D/C	0	791	3.9		4
			D/C	0	0	0.0	0.0	-1
31	220 kV	ALIPURDUAR-SALAKATI	D/C	V	0	0.0	0.9	
	-		D/C	U U	ER-NER	4.9	0.9	4.0
nport/l	Export of	NER (With NR)	D/C		ER-NER	4.9	0.9	
	Export of			491	ER-NER 401	6.8	0.0	6.8
nport/l 32	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA			ER-NER	4.9	0.9	
mport/l 32 mport/l	Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR)	-	491	ER-NER 401 NER-NR	4.9 6.8 6.8	0.9 0.0 0.0	6.8 6.8
mport/l 32 mport/l 33	Export of HVDC Export of	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	- D/C	491	401 NER-NR	6.8 6.8 0.0	0.9 0.0 0.0 54.7	6.8 6.8
nport/l 32 nport/l 33 34	Export of HVDC Export of	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B	D/C D/C	491 0 250	401 NER-NR 1439 0	6.8 6.8 0.0 6.0	0.9 0.0 0.0 54.7 0.0	6.8 6.8 -54.7 6.0
mport/1 32 mport/1 33 34 35	Export of HVDC Export of	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG	D/C D/C D/C	491 0 250 0	401 NER-NR 1439 0 707	6.8 6.8 0.0 6.0 0.0	0.9 0.0 0.0 54.7 0.0 17.8	6.8 6.8 -54.7 6.0 -17.8
32 nport/l 33 34 35 36	Export of HVDC Export of	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA	D/C D/C D/C D/C	491 0 250 0	401 NER-NR 1439 0 707 3094	6.8 6.8 0.0 6.0 0.0 0.0	0.9 0.0 0.0 54.7 0.0 17.8 56.7	6.8 6.8 -54.7 6.0 -17.8 -56.7
mport/l 32 mport/l 33 34 35 36 37	Export of HVDC Export of HVDC	NER (With NR) 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	491 0 250 0	401 NER-NR 1439 0 707	4.9 6.8 6.8 0.0 6.0 0.0 0.0	0.9 0.0 0.0 54.7 0.0 17.8	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6
32 aport/l 33 34 35 36	Export of HVDC HVDC HVDC 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA	D/C D/C D/C D/C	491 0 250 0 0 487	401 NER-NR 1439 0 707 3094 1766 0	6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6
32 mport/l 33 34 35 36 37 38	Export of HVDC Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI	D/C D/C D/C D/C D/C S/C	0 250 0 0 487 207	401 NER-NR 1439 0 707 3094 1766	4.9 6.8 6.8 0.0 6.0 0.0 0.0	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6
32 aport/l 33 34 35 36 37 38 39	Export of HVDC HVDC HVDC 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL	D/C D/C D/C D/C C D/C S/C S/C	0 250 0 0 487 207 193	401 NER-NR 1439 0 707 3094 1766 0 74	6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5
32 mport/I 33 34 35 36 37 38 39 40	Export of HVDC HVDC HVDC 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND	D/C D/C D/C D/C S/C S/C S/C	491 0 250 0 0 487 207 193 978	401 NER-NR 1439 0 707 3094 1766 0 74 0	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0
32 mport/I 33 34 35 36 37 38 39 40 41	Export of HVDC Export of HVDC 765 kV 400 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR	D/C D/C D/C D/C S/C S/C S/C S/C D/C	0 250 0 0 487 207 193 978 0	### Add #### Add ### Add ### Add ### A	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 0.0	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2
mport/l 32 mport/l 33 34 35 36 37 38 39 40 41 42	Export of HVDC HVDC HVDC 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA	D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C	491 0 250 0 0 487 207 193 978 0 69	### Tensor	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 0.0 2 0.0	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8
mport/I 32 mport/I 33 34 35 36 37 38 39 40 41 42 43	Export of HVDC Export of HVDC 765 kV 400 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK	D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C	0 250 0 0 487 207 193 978 0 69 25	## Tensor ## Te	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 0.0 0.0	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0
32 aport/I 33 34 35 36 37 38 39 40 41 42 43 44	Export of HVDC Export of HVDC 765 kV 400 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA	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	0 250 0 0 487 207 193 978 0 69 25 96	### Text	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2 1.5	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 2 0.0 0.2 0.0	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0 1.5
32 aport/I 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Export of	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	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	0 250 0 0 487 207 193 978 0 69 25 96 49	### Text	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2 1.5 0.6	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0 1.5 0.6
nport/I 32 nport/I 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	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	0 250 0 0 487 207 193 978 0 69 25 96 49	### Tensor 401	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2 1.5 0.6 0.0 36.2	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 0.0 0.0 0.0 164.3	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0 1.5 0.6 0.0 -128.1
mport/I 32 mport/I 33 34 35 36 37 38 39 40 41 42 43 44 45 46 mport/I 47	Export of HVDC Export of HVDC 765 kV 400 kV 220 kV 132kV Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B	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	0 250 0 0 487 207 193 978 0 69 25 96 49 0	## The Company of the	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2 1.5 0.6 0.0 36.2	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 0.0 0.0 10.0 164.3	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0 1.5 0.6 0.0 -128.1
mport/l 32 mport/l 33 34 35 36 37 38 39 40 41 42 43 44 45 46 mport/l 47 48	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-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 S/C S/C S/C S/C S/C S/C S/C S/C	0 250 0 0 487 207 193 978 0 69 25 96 49 0	## The color of th	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2 1.5 0.6 0.0 36.2	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 2 0.0 0.2 0.0 0.0 164.3	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0 1.5 0.6 0.0 -128.1
mport/I 32 mport/I 33 34 35 36 37 38 39 40 41 42 43 44 45 46 mport/I 47 48 49	Export of HVDC Export of HVDC 765 kV 400 kV 220 kV 132kV Export of HVDC	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 250 0 0 487 207 193 978 0 69 25 96 49 0	## The Control of Cont	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2 1.5 0.6 0.0 36.2	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 0.0 0.0 164.3	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0 1.5 0.6 0.0 -128.1
mport/I 32 mport/I 33 34 35 36 37 38 39 40 41 42 43 44 45 46 mport/I 47 48 49 50	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 250 0 0 487 207 193 978 0 69 25 96 49 0	## The Control of Cont	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2 1.5 0.6 0.0 36.2	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 0.0 0.0 10.0 164.3 24.0 0.0 19.4 35.5	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0 1.5 0.6 0.0 -128.1 -24.0 0.0 -19.4 -35.5
mport/l 32 mport/l 33 34 35 36 37 38 39 40 41 42 43 44 45 46 mport/l 47 48 49 50 51	Export of HVDC Export of HVDC 765 kV 400 kV 220 kV 132kV Export of HVDC LINK	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-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 S/C S/C S/C S/C S/C S/C S/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	0 250 0 0 487 207 193 978 0 69 25 96 49 0	### Tensor 401	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2 1.5 0.6 0.0 36.2 0.0 0.0 5.9	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 2 0.0 0.2 0.0 0.0 164.3 24.0 0.0 19.4 35.5 0.0	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0 1.5 0.6 0.0 -128.1 -24.0 0.0 -19.4 -35.5 5.9
mport/I 32 mport/I 33 34 35 36 37 38 39 40 41 42 43 44 45 46 mport/I 47 48 49 50 51 52	Export of HVDC HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-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 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 D/C D/C D/C D/C D/C D/C D/C D/C D/C D	0 250 0 0 487 207 193 978 0 69 25 96 49 0	### Tensor 401	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2 1.5 0.6 0.0 36.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 0.0 0.0 0.0 164.3 24.0 0.0 19.4 35.5 0.0 0.0	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0 1.5 0.6 0.0 -128.1 -24.0 0.0 -19.4 -35.5 5.9 0.0
mport/I 32 mport/I 33 34 35 36 37 38 39 40 41 42 43 44 45 46 mport/I 47 48 49 50 51 52 53	Export of HVDC Export of HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-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	- D/C D/C D/C S/C S/C S/C S/C S/C S/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 250 0 0 487 207 193 978 0 69 25 96 49 0	### Tensor 401	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2 1.5 0.6 0.0 36.2 0.0 0.0 5.9 0.0 0.0 0.0	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 0.0 2 0.0 0.2 0.0 0.0	6.8 6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0 1.5 0.6 0.0 -128.1 -24.0 0.0 -19.4 -35.5 5.9 0.0 0.0
mport/I 32 mport/I 33 34 35 36 37 38 39 40 41 42 43 44 45 46 mport/I 47 48 49 50 51 52	Export of HVDC HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-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 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 D/C D/C D/C D/C D/C D/C D/C D/C D/C D	0 250 0 0 487 207 193 978 0 69 25 96 49 0	### Tensor 401	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2 1.5 0.6 0.0 36.2 0.0 0.0 0.0 1.3	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 0.0 2 0.0 0.2 0.0 0.0	6.8 6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0 1.5 0.6 0.0 -128.1 -24.0 0.0 -19.4 -35.5 5.9 0.0 0.0 1.3
32 aport/J 33 34 35 36 37 38 39 40 41 42 43 44 45 46 aport/J 47 48 49 50 51 52 53	Export of HVDC HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 250 0 0 487 207 193 978 0 69 25 96 49 0	### Tensor 401	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2 1.5 0.6 0.0 36.2 0.0 0.0 0.0 1.3	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 0.0 2 0.0 0.2 0.0 0.0	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0 1.5 0.6 0.0 -128.1 -24.0 0.0 -19.4 -35.5 5.9 0.0 0.0
32 aport/I 32 aport/I 33 34 35 36 37 38 39 40 41 42 43 44 45 46 aport/I 47 48 49 50 51 52 53	Export of HVDC HVDC 765 kV 400 kV 132kV Export of HVDC LINK 765 kV	NER (With NR) BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BADOD-KOTA BADOD-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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 250 0 0 487 207 193 978 0 69 25 96 49 0	### Tensor 401	4.9 6.8 6.8 0.0 6.0 0.0 0.0 0.0 3.6 1.5 22.0 0 0.8 0.2 1.5 0.6 0.0 36.2 0.0 0.0 0.0 1.3	0.9 0.0 0.0 54.7 0.0 17.8 56.7 32.6 0.0 0.0 0.0 2 0.0 0.2 0.0 0.0	6.8 6.8 -54.7 6.0 -17.8 -56.7 -32.6 3.6 1.5 22.0 -2 0.8 0.0 1.5 0.6 0.0 -128.1 -24.0 0.0 -19.4 -35.5 5.9 0.0 0.0 1.3