

National Load Despatch Centre पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

POWER SYSTEM OPERATION CORPORATION LIMITED

(A wholly owned subsidiary of POWERGRID) B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

Date: 16th Oct, 2015

To,

- 1. महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता 700033 General Manager, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 2. Executive Director, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 कार्यपालक निदेशक, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
- 3. महाप्रबंधक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र , अंधेरी, मुंबई 400093 General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- 4. महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यपालक निदेशक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगल्र 560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 15.10.2015.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स. - 5.5.1 के प्रावधान के अन्सार, दिनांक 15th Oct 2015 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर निम्न लिंक 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 15th Oct 2015, is available at the NLDC website.

http://posoco.in/attachments/article/94/16.10.15_NLDC_PSP.pdf

Thanking You.

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

Report for previous day Date of Reporting 16-Oct-15

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	43010	46622	34487	17652	2228	143999
Peak Shortage (MW)	1272	497	1400	0	215	3384
Energy Met (MU)	915	1108	798	360	39	3221
Hydro Gen(MU)	168	59	69	48	16	360
Wind Gen(MU)	4	12	5			21

B. Frequency Profile (%)

Region	<49.2	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
NEW GRID	0.00	0.00	1.19	7.75	8.95	72.95	18.10
SR GRID	0.00	0.00	1.19	7.75	8.95	72.95	18.10

C.Power Supply Position in States

		Max. Demand	Shortage during	Energy	Drawal	OD (+)/	Max
RegionRegion	States	Met during the	maximum Demand	Met (MU)	Schedule (MU)	UD(-) (MU)	OD (MW
		day (MW)	(MW)	Met (MO)	Schedule (MO)	OD(-) (MO)	OD (MW
	Punjab	5438	0	115.4	53.2	0.0	185
	Haryana	7430	0	137.7	70.8	-3.4	221
	Rajasthan	9547	0	207.5	69.4	2.7	345
NR	Delhi	4225	0	85.3	74.0	-2.3	63
	UP	12172	2190	269.0	113.9	-1.7	294
	Uttarakhand	1750	0	34.5	16.2	1.6	182
	HP	1229	0	23.3	13.6	0.8	186
	J&K	1966	492	38.4	25.8	0.3	219
	Chandigarh	216	0	4.0	4.1	0.3	17
	Chhattisgarh	3772	96	87.8	36.4	-0.1	189
	Gujarat	14050	5	315.2	67.4	-0.4	412
	MP	9878	0	221.5	111.4	-0.8	213
WR	Maharashtra	20507	350	448.3	125.6	-0.5	429
VVIN	Goa	449	0	9.1	8.3	0.7	60
	DD	308	0	6.9	6.7	0.2	37
	DNH	719	0	16.7	16.8	-0.1	55
	Essar steel	163	0	2.5	2.7	-0.3	76
	Andhra Pradesh	6414	0	144.6	26.8	3.5	807
	Telangana	6685	0	154.3	101.8	1.1	379
SR	Karnataka	6558	1600	149.8	23.5	7.5	743
J.,	Kerala	3383	0	63.4	35.0	1.2	292
	Tamil Nadu	13132	0	279.1	120.8	5.0	574
	Pondy	315	25	6.7	6.1	0.5	57
	Bihar	3292	0	69.2	68.4	-1.5	230
	DVC	2503	0	55.5	-16.7	-2.7	180
ER	Jharkhand	1000	0	22.9	11.7	-0.6	110
L.N	Odisha	3690	0	68.1	16.8	0.4	205
	West Bengal	7350	0	143.0	42.4	1.5	200
	Sikkim	93	0	1.3	0.8	0.5	28
	Arunachal Pradesh	118	3	2.0	1.8	0.2	46
	Assam	1405	75	23.6	18.3	0.5	281
	Manipur	142	3	2.3	2.0	0.2	44
NER	Meghalaya	273	2	4.5	2.2	-1.1	140
	Mizoram	77	2	1.3	1.3	0.0	5
	Nagaland	114	1	1.7	1.6	0.0	34
	Tripura	226	2	4.0	0.6	1.3	45

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	19.6	-1.8	-10.7
Max MW		-157.4	-455.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	158.8	-159.9	68.5	-76.4	2.0	-7.0
Actual(MU)	163.1	-176.9	84.8	-80.2	2.8	-6.4
O/D/U/D(MU)	4.3	-17.0	16.3	-3.8	0.8	0.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4671	10423	3830	1100	363	20387
State Sector	6805	11383	2972	4989	110	26259
Total	11476	21806	6802	6089	473	46646

सचिव(ऊर्जा)/ विशेष सचिव(ऊर्जा)/अतिरिक्त सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि॰प्रा॰(ग्रि॰प्र॰)/ अध्यक्ष एवं प्रबंध निदेशक (पावरग्रिङ)/मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यो के मुख्य सचिव/ऊर्जा सचिव

		INTER-REC	- CIMIL			Date of R	deporting:	16-Oct-
Sl No	Voltage	Line Details	Circuit	Max Import	Max Export	Import=(+ve) /Export Export	NET
nport/I	Level Export of	ER (With NR)		(MW)	(MW)		(MU)	(MU)
1		GAYA-FATEHPUR	S/C	0	-264	0.0	-4.0	-4.0
	765KV	GAYA-BALIA	S/C	0	0	0.0	-3.0	-3.0
2		SASARAM-FATEHPUR	S/C	0	0	0.0	0.0	0.0
3	HVDC LINK	PUSAULI B/B	S/C	0	0	0	-9	-9
4	LINK	PUSAULI-SARNATH	S/C	0	-246	0	0	0
5	1	PUSAULI -ALLAHABAD	D/C	0	-150	0	0	0
6	400 KV	MUZAFFARPUR-GORAKHPUR	D/C	51	-398	0	-5	-5
7	400 K V	PATNA-BALIA	Q/C	0	-161	0	-6	-6
8		BIHARSHARIFF-BALIA	D/C	132	-148	0	-1	-1
	ļ	BARH-GORAKHPUR	D/C	0	0	0	-4	-4
10	220 KV	PUSAULI-SAHUPURI	S/C	0	-201	0.0	-4.0	-4.0
11	-	SONE NAGAR-RIHAND	S/C	0 42	0	0.0	0.0	0.0
13	132 KV	GARWAH-RIHAND KARMANASA-SAHUPURI	S/C S/C	0	-1	0.0	0.0	0.0
14	1	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
				•	ER-NR	1.0	-36.0	-35.0
nport/I	T	ER (With WR)	D/C	675		-12.2	12.0	-12.2
16	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH	D/C S/C	-675 -117	80	-12.2 -0.5	-12.0 -1.0	-12.2
	<u>† </u>	ROURKELA - RAIGARH (SEL LILO	S/C	0	0	2.0	0.0	2.0
17	4	BYPASS)						
18	400 KV	JHARSUGUDA-RAIGARH	S/C	0	0	4.0	0.0	4.0
19	-	IBEUL-RAIGARH STERLITE-RAIGARH	S/C D/C	0	0	4.0 3.0	0.0 -5.9	-5.9
21		RANCHI-SIPAT	D/C	0	0	0.0	-0.1	-0.1
22		BUDHIPADAR-RAIGARH	S/C	280	0	5.0	0.0	5.0
23	220 KV	BUDHIPADAR-KORBA	D/C	0	-192	0.0	-3.0	-3.0
		•			ER-WR	5.3	-22.0	-6.7
nport/I	Export of	ER (With SR)						
24	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	-738	0	-18.0	-18.0
25	LINK	TALCHER-KOLAR BIPOLE	D/C	0	-2258	0	-49.0	-49.0
26 27	400 KV	TALCHER-I/C	0.00	0	0	0	0	0
21	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0 ER-SR	0.0	-67.0	-67.0
nport/I	Export of	ER (With NER)			EK-5K	0.0	-07.0	-07.0
27		BINAGURI-BONGAIGAON	Q/C	116	-269	0	0	0
28	220 KV							
	220 K V	BIRPARA-SALAKATI	D/C	0	-120	0	-1	-1
	220 KV	BIRPARA-SALAKATI	D/C	0	-120 ER-NER	0.0	-1 -1.0	-1 -1.0
nport/I	1	BIRPARA-SALAKATI NR (With NER)	D/C	0	ER-NER			-1.0
nport/I	Export of		D/C	150	ER-NER 0	0.0	-1.0 0	-1.0
29	Export of HVDC	NR (With NER) BISWANATH CHARIALI-AGRA	D/C		ER-NER	0.0	-1.0	-1.0
29 nport/I	Export of HVDC Export of	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR)	-	150	ER-NER 0 NR-NER	0.0	-1.0 0 0.0	-1.0 0.0 0.0
29 nport/I 30	Export of HVDC Export of HVDC	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) VCHAL B/B	- D/C	150 250	0 NR-NER	0.0 0.0 0.0	-1.0 0 0.0	0.0 0.0 0.0
29 nport/I	Export of HVDC Export of HVDC 765 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR)	-	150	0 NR-NER -150 -2996	0.0	-1.0 0 0.0	-1.0 0.0 0.0
29 nport/I 30 31	Export of HVDC Export of HVDC 765 KV 765 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) VCHAL B/B GWALIOR-AGRA	- D/C D/C	150 250 0	0 NR-NER	0.0 0.0 0.0 1.7 0.0	-1.0 0 0.0 -3.0 -56.8	-1.0 0.0 0.0 -1.3 -56.8
29 nport/I 30 31 32	Export of HVDC Export of HVDC 765 KV 765 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI	- D/C D/C D/C	150 250 0	0 NR-NER -150 -2996 -1708	0.0 0.0 0.0 1.7 0.0 0	-1.0 0 0.0 -3.0 -56.8 -18	-1.0 0.0 0.0 -1.3 -56.8
29 aport/I 30 31 32 33	Export of HVDC Export of HVDC 765 KV 400 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI	D/C D/C D/C S/C	250 0 0 91	0 NR-NER -150 -2996 -1708 -145	0.0 0.0 0.0 1.7 0.0 0	-1.0 0 0.0 -3.0 -56.8 -18 0.0	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2
29 nport/I 30 31 32 33 34	Export of HVDC Export of HVDC 765 KV 400 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND BADOD-KOTA	D/C D/C D/C S/C S/C S/C S/C S/C	250 0 0 91 125	0 NR-NER -150 -2996 -1708 -145 87	0.0 0.0 0.0 1.7 0.0 0 0.2 1.3	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3
29 mport/I 30 31 32 33 34 35	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-MORAK	D/C D/C D/C S/C S/C S/C S/C S/C S/C	250 0 0 91 125	0 NR-NER -150 -2996 -1708 -145 87 0	0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3 0.0
29 nport/I 30 31 32 33 34 35 36 37 38	Export of HVDC Export of HVDC 765 KV 400 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA	D/C D/C D/C S/C S/C S/C S/C S/C S/C	250 0 0 91 125 0 57 32	ER-NER 0 NR-NER -150 -2996 -1708 -145 87 0 -12 -50	0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0 0.6 0.0	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 -0.4 0.0	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3 0.0 0.6 -0.4
29 30 31 32 33 34 35 36 37 38 39	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 220 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C	250 0 0 0 91 125 0 57 32 107 58	ER-NER 0 NR-NER -150 -2996 -1708 -145 87 0 -12 -50 0	0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0 0.6 0.0 1.9 1.0	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3 0.0 0.6 -0.4 1.9
29 nport/I 30 31 32 33 34 35 36 37 38	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA	D/C D/C D/C S/C S/C S/C S/C S/C S/C	250 0 0 91 125 0 57 32	ER-NER 0 NR-NER -150 -2996 -1708 -145 87 0 -12 -50 0 0	0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0 0.6 0.0 1.9 1.0	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3 0.0 0.6 -0.4 1.9 1.0 0.0
29 30 31 32 33 34 35 36 37 38 39 40	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 220 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	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	250 0 0 91 125 0 57 32 107 58	ER-NER 0 NR-NER -150 -2996 -1708 -145 87 0 -12 -50 0 0 WR-NR	0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0 0.6 0.0 1.9 1.0 0.0 6.8	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 0.0 -0.4 0.0 0.0 0.0 -78.2	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3 0.0 0.6 -0.4 1.9 1.0 0.0 -71.5
29 30 31 32 33 34 35 36 37 38 39 40	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 132KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL-MHG	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C	250 0 0 0 91 125 0 57 32 107 58	ER-NER 0 NR-NER -150 -2996 -1708 -145 87 0 -12 -50 0 0	0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0 0.6 0.0 1.9 1.0	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3 0.0 0.6 -0.4 1.9 1.0 0.0
29 30 31 32 33 34 35 36 37 38 39 40	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 132KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	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	250 0 0 91 125 0 57 32 107 58	ER-NER 0 NR-NER -150 -2996 -1708 -145 87 0 -12 -50 0 0 WR-NR	0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0 0.6 0.0 1.9 1.0 0.0 6.8	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 0.0 -0.4 0.0 0.0 0.0 -78.2	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3 0.0 0.6 -0.4 1.9 1.0 0.0 -71.5
29 aport/I 30 31 32 33 34 35 36 37 38 39 40 41 aport/I	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 132KV HVDC HVDC HVDC HVDC	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL-MHG WR (With SR)	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C D/C	250 0 0 91 125 0 57 32 107 58 0	0 NR-NER -150 -2996 -1708 -145 87 0 -12 -50 0 0 WR-NR -2519	0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0 0.6 0.0 1.9 1.0 0.0 6.8 0.0	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 0.0 -0.4 0.0 0.0 0.0 -78.2 -60.4	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3 0.0 0.6 -0.4 1.9 1.0 0.0 -71.5 -60.4
29 nport/I 30 31 32 33 34 35 36 37 38 39 40 41 nport/I 42	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 132KV HVDC HVDC HVDC	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL-MHG WR (With SR) BHADRAWATI B/B	D/C D/C D/C S/C S/C	250 0 0 91 125 0 57 32 107 58 0	0 NR-NER -150 -2996 -1708 -145 87 0 -12 -50 0 0 WR-NR -2519 -1000 -100	0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0 0.6 0.0 1.9 1.0 0.0 6.8 0.0	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 0.0 -0.4 0.0 0.0 0.0 -78.2 -60.4	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3 0.0 0.6 -0.4 1.9 1.0 0.0 -71.5 -60.4
29 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 132KV HVDC HVDC HVDC LINK	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL-MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU	D/C D/C D/C S/C S/C	250 0 0 91 125 0 57 32 107 58 0	ER-NER 0 NR-NER -150 -2996 -1708 -145 87 0 -12 -50 0 WR-NR -2519	0.0 0.0 0.0 0.0 0.0 0.0 0.2 1.3 0.0 0.6 0.0 1.9 1.0 0.0 6.8 0.0	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 0.0 -0.4 0.0 0.0 0.0 -78.2 -60.4	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3 0.0 0.6 -0.4 1.9 1.0 0.0 -71.5 -60.4
29 29 30 31 32 33 34 35 36 37 38 39 40 41 41 41 42 43 44	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 132KV HVDC HVDC HVDC LINK	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL -MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR	D/C D/C S/C D/C D/C	250 0 0 91 125 0 57 32 107 58 0	ER-NER 0 NR-NER -150 -2996 -1708 -145 87 0 -12 -50 0 0 WR-NR -2519 -1000 0 -1752	0.0 0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0 0.6 0.0 1.9 1.0 0.0 6.8 0.0 0.0 0.0 0.0 0.0	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 -0.4 0.0 0.0 -78.2 -60.4 -23.8 0.0 -27.5	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3 0.0 0.6 -0.4 1.9 1.0 0.0 -71.5 -60.4
29 nport/1 30 31 32 33 34 35 36 37 38 39 40 41 41 41 42 43 44 45	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 132KV HVDC LINK 765 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL -MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI	D/C D/C D/C S/C D/C D/C	250 0 0 91 125 0 57 32 107 58 0	ER-NER 0 NR-NER -150 -2996 -1708 -145 -87 0 -12 -50 0 WR-NR -2519 -1000 0 -1752 -220	0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0 0.6 0.0 1.9 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 0.0 -0.4 0.0 0.0 -78.2 -60.4 -23.8 0.0 -27.5 -4.6 0.0 0.0	-1.0 0.0 0.0 -1.3 -56.8 -18 0.0 0.6 -0.4 1.9 1.0 0.0 -71.5 -60.4 -23.8 0.0 -27.5 -4.6
29 nport/1 30 31 32 33 34 35 36 37 38 39 40 41 41 41 42 43 44 45 46	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 132KV HVDC LINK 765 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL-MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C D/C S/C S/C	250 0 0 0 125 0 57 32 107 58 0 0 0	ER-NER 0 NR-NER -150 -2996 -1708 -145 -87 0 -12 -50 0 WR-NR -2519 -1000 0 -1752 -220 0	0.0 0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0 0.6 0.0 1.9 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 -0.4 0.0 0.0 -78.2 -60.4 -23.8 0.0 -27.5 -4.6 0.0	-1.0 0.0 0.0 -1.3 -56.8 -18 0.0 0.6 -0.4 1.9 1.0 0.0 -71.5 -60.4 -23.8 0.0 -27.5 -4.6 0.0
29 29 29 30 31 32 33 34 35 36 37 38 39 40 41 41 41 42 44 45 46 47	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 132KV HVDC LINK 765 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL-MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C D/C D/C D/C S/C S/C	250 0 0 0 125 0 57 32 107 58 0 0 0 0 0 0 0 7 8	ER-NER 0 NR-NER -150 -2996 -1708 -145 -87 0 -12 -50 0 WR-NR -2519 -1000 0 -1752 -220 0 0 WR-SR	0.0 0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0 0.6 0.0 1.9 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 0.0 -0.4 0.0 0.0 -78.2 -60.4 -23.8 0.0 -27.5 -4.6 0.0 0.0	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3 0.0 -0.4 1.9 1.0 0.0 -71.5 -60.4 -23.8 0.0 -27.5 -4.6 0.0 1.6
29 nport/1 30 31 32 33 34 35 36 37 38 39 40 41 41 41 42 43 44 45 46	Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 132KV HVDC LINK 765 KV	NR (With NER) BISWANATH CHARIALI-AGRA WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL-RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL-MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C D/C S/C S/C	250 0 0 0 125 0 57 32 107 58 0 0 0 0 0 0 0 7 8	ER-NER 0 NR-NER -150 -2996 -1708 -145 -87 0 -12 -50 0 WR-NR -2519 -1000 0 -1752 -220 0 0 WR-SR	0.0 0.0 0.0 0.0 1.7 0.0 0 0.2 1.3 0.0 0.6 0.0 1.9 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-1.0 0 0.0 -3.0 -56.8 -18 0.0 0.0 0.0 0.0 0.0 -0.4 0.0 0.0 -78.2 -60.4 -23.8 0.0 -27.5 -4.6 0.0 0.0	-1.0 0.0 0.0 -1.3 -56.8 -18 0.2 1.3 0.0 -0.4 1.9 1.0 0.0 -71.5 -60.4 -23.8 0.0 -27.5 -4.6 0.0 1.6