

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: 16th Nov 2017

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. 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. 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 15.11.2017.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-नवम्बर - 2017 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 15th November 2017, 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** 16-Nov-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	40273	46781	38898	17133	2339	145424
Peak Shortage (MW)	545	12	75	732	69	1432
Energy Met (MU)	828	1095	857	328	40	3148
Hydro Gen(MU)	113	25	61	45	16	260
Wind Gen(MU)	12	15	27			53
Solar Gen (MU)*	0.57	15.44	31.00	0.34	0.01	47
Energy Shortage (MU)	15.0	0.0	0.1	2.2	0.5	17.7
Maximum Demand Met during the day (MW) (from NLDC SCADA)	41248	48572	39701	17104	2358	146550

B. Frequency Profile (%)

o n	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
ndia	0.046	0.00	0.61	11.13	11.75	77.42	10.83
luia	0.040	U.UU	0.01	11.13	11./3	11.42	

RegionRegion State	. Power Supply Pos	sition in States							
Haryana	RegionRegion	States	Met during the	maximum					Energy Shortage (MU)
Rajasthan 10493 0 203.6 60.4 4.0 4487 4.5 Delhi 3301 0 62.3 47.7 -1.1 179 0.0 UP 12209 6000 271.7 99.7 0.3 3.36 2.7 Uttarakhand 1792 0 33.5 16.1 0.5 179 0.0 HP 1468 0 26.1 18.1 1.1 141 0.0 J&K 1835 459 32.4 32.8 4.7 136 7.8 Chandigarh 177 0 3.2 3.4 -0.3 11 0.0 Gujarat 14486 0 315.6 106.3 2.6 332 0.0 MP 9607 0 237.4 168.2 -0.2 315 0.0 MP 9607 0 237.4 168.2 -0.2 315 0.0 Maharashtra 20883 0 431.5 145.2 0.3 473 0.0 Goan 412 0 8.6 8.8 -0.2 34 0.0 DD 316 0 7.2 6.6 0.5 49 0.0 DNH 744 0 17.1 17.4 -0.2 10 0.0 Essar steel 508 0 10.0 10.4 -0.4 175 0.0 Essar steel 508 0 10.0 10.4 -0.4 175 0.0 Andhra Pradesh 7506 0 157.5 56.3 -0.7 339 0.0 Kernala 3516 0 66.8 47.2 1.8 269 0.1 Tamil Nadu 13545 0 275.1 137.0 4.0 591 0.0 Pondy 325 0 6.6 7.2 -0.5 26 0.0 DVC 2475 2000 61.4 -24.0 4.2 435 0.7 Aranaha 1061 0 23.4 12.3 1.5 105 0.3 Odisha 3533 250 65.7 28.1 1.9 385 0.8 West Bengal 6705 0 115.7 31.6 2.5 445 0.0 NER Meghalaya 297 0 5.5 2.4 0.1 40 0.0 Meghalaya 297 0 5.5 2.4 0.1 40 0.0 Nagaland 123 2 2.0 1.4 0.1 28 0.0		Punjab	4664	0	86.6	22.4	-0.4	204	0.0
NR		Haryana	6151	0	108.5	69.8	1.1	271	0.0
NR		Rajasthan	10493	0	203.6	60.4	4.0	487	4.5
Uttarakhand 1792		Delhi	3301	0	62.3	47.7	-1.1	179	0.0
HP	NR	UP	12209	600	271.7	99.7	0.3	336	2.7
J&K 1835 459 32.4 32.8 -4.7 136 7.8		Uttarakhand	1792	0	33.5	16.1	0.5	179	0.0
Chandigarh		HP	1468	0	26.1	18.1	1.1	141	0.0
Chhattisgarh 2982 0 67.2 12.9 -0.2 233 0.0		J&K	1835	459	32.4	32.8	-4.7	136	7.8
Recala 14486 0 315.6 106.3 -2.6 332 0.0		Chandigarh	177	0	3.2	3.4	-0.3	11	0.0
Record		Chhattisgarh	2982	0	67.2	12.9	-0.2	233	0.0
WR MP 9607 0 237.4 168.2 -0.2 315 0.0 Maharashtra 20883 0 431.5 145.2 0.3 473 0.0 DD 316 0 8.6 8.8 -0.2 34 0.0 DDH 316 0 7.2 6.6 0.5 49 0.0 DNH 744 0 17.1 17.4 -0.2 10 0.0 Essar steel 508 0 10.0 10.4 -0.4 175 0.0 Essar steel 508 0 10.0 10.4 -0.4 175 0.0 Essar steel 508 0 155.5 56.3 -0.7 339 0.0 Telangana 7410 0 153.6 59.2 -5.3 418 0.0 Kerala 3516 0 197.6 79.8 1.1 440 0.0 Kerala 3516 0 266.8			14486	0	315.6	106.3	-2.6	332	0.0
Goa			9607	0	237.4	168.2	-0.2	315	0.0
Coa	WD	Maharashtra	20883	0	431.5	145.2	0.3	473	0.0
DNH	WR	Goa	412	0	8.6	8.8	-0.2	34	0.0
DNH		DD	316	0	7.2	6.6	0.5	49	0.0
SR Andhra Pradesh 7506 0 157.5 56.3 -0.7 339 0.0 Telangana 7410 0 153.6 59.2 -5.3 418 0.0 Karnataka 9405 0 197.6 79.8 1.1 440 0.0 Kerala 3516 0 66.8 47.2 1.8 269 0.1 Tamil Nadu 13545 0 275.1 137.0 4.0 591 0.0 Pondy 325 0 6.6 7.2 -0.5 26 0.0 Bihar 3597 100 60.8 52.8 2.6 405 0.5 DVC 2475 200 61.4 -24.0 4.2 435 0.7 Jharkhand 1061 0 23.4 12.3 1.5 105 0.3 Odisha 3533 250 65.7 28.1 1.9 385 0.8 West Bengal 6705 0		DNH	744	0	17.1	17.4	-0.2	10	0.0
SR Andhra Pradesh 7506 0 157.5 56.3 -0.7 339 0.0 Telangana 7410 0 153.6 59.2 -5.3 418 0.0 Karnataka 9405 0 197.6 79.8 1.1 440 0.0 Kerala 3516 0 66.8 47.2 1.8 269 0.1 Tamil Nadu 13545 0 275.1 137.0 4.0 591 0.0 Pondy 325 0 6.6 7.2 -0.5 26 0.0 Bihar 3597 100 60.8 52.8 2.6 405 0.5 DVC 2475 200 61.4 -24.0 4.2 435 0.7 Jharkhand 1061 0 23.4 12.3 1.5 105 0.3 West Bengal 6705 0 115.7 31.6 2.5 445 0.0 Sikkim 106 0 <		Essar steel	508	0				175	0.0
SR Telangana 7410 0 153.6 59.2 -5.3 418 0.0 Karnataka 9405 0 197.6 79.8 1.1 440 0.0 Kerala 3516 0 66.8 47.2 1.8 269 0.1 Tamil Nadu 13545 0 275.1 137.0 4.0 591 0.0 Pondy 325 0 6.6 7.2 -0.5 26 0.0 Pondy 325 0 6.6 7.2 -0.5 26 0.0 Bihar 3597 100 60.8 52.8 2.6 405 0.5 DVC 2475 200 61.4 -24.0 4.2 435 0.7 Jharkhand 1061 0 23.4 12.3 1.5 105 0.3 West Bengal 6705 0 115.7 31.6 2.5 445 0.0 Sikkim 106 0 1.3		Andhra Pradesh	7506	0	157.5	56.3		339	0.0
SR Karnataka 9405 0 197.6 79.8 1.1 440 0.0 Kerala 3516 0 66.8 47.2 1.8 269 0.1 Tamil Nadu 13545 0 275.1 137.0 4.0 591 0.0 Pondy 325 0 6.6 7.2 -0.5 26 0.0 Bihar 3597 100 60.8 52.8 2.6 405 0.5 DVC 2475 200 61.4 -24.0 4.2 435 0.7 Jharkhand 1061 0 23.4 12.3 1.5 105 0.3 West Bengal 6705 0 115.7 31.6 2.5 445 0.0 Sikkim 106 0 1.3 1.3 0.0 20 0.0 Arunachal Pradesh 134 1 2.2 2.1 0.1 43 0.0 Assam 1426 24 22.9 <td></td> <td>Telangana</td> <td>7410</td> <td>0</td> <td>153.6</td> <td>59.2</td> <td>-5.3</td> <td></td> <td>0.0</td>		Telangana	7410	0	153.6	59.2	-5.3		0.0
Kerala 3516 0 66.8 47.2 1.8 269 0.1 Tamil Nadu 13545 0 275.1 137.0 4.0 591 0.0 Pondy 325 0 6.6 7.2 -0.5 26 0.0 Bihar 3597 100 60.8 52.8 2.6 405 0.5 DVC 2475 200 61.4 -24.0 4.2 435 0.7 Jharkhand 1061 0 23.4 12.3 1.5 105 0.3 Odisha 3533 250 65.7 28.1 1.9 385 0.8 West Bengal 6705 0 115.7 31.6 2.5 445 0.0 Sikkim 106 0 1.3 1.3 0.0 20 0.0 Arunachal Pradesh 134 1 2.2 2.1 0.1 43 0.0 NER Manipur 164 2 2.2	CD		9405	0	197.6	79.8			0.0
ER Tamil Nadu Pondy 13545 0 275.1 137.0 4.0 591 0.0 Bihar 3597 100 6.6 7.2 -0.5 26 0.0 DVC 2475 200 61.4 -24.0 4.2 435 0.7 Jharkhand 1061 0 23.4 12.3 1.5 105 0.3 Odisha 3533 250 65.7 28.1 1.9 385 0.8 West Bengal 6705 0 115.7 31.6 2.5 445 0.0 Sikkim 106 0 1.3 1.3 0.0 20 0.0 Arunachal Pradesh 134 1 2.2 2.1 0.1 43 0.0 Assam 1426 24 22.9 18.6 0.9 268 0.3 Manipur 164 2 2.2 2.5 -0.3 35 0.0 Mizoram 92 0 5.5 </td <td>SK</td> <td>Kerala</td> <td>3516</td> <td>0</td> <td>66.8</td> <td>47.2</td> <td>1.8</td> <td>269</td> <td>0.1</td>	SK	Kerala	3516	0	66.8	47.2	1.8	269	0.1
ER Bihar DVC 3597 100 60.8 52.8 2.6 405 0.5 DVC 2475 200 61.4 -24.0 4.2 435 0.7 Jharkhand 1061 0 23.4 12.3 1.5 105 0.3 Odisha 3533 250 65.7 28.1 1.9 385 0.8 West Bengal 6705 0 115.7 31.6 2.5 445 0.0 Sikkim 106 0 1.3 1.3 0.0 20 0.0 Arunachal Pradesh 134 1 2.2 2.1 0.1 43 0.0 Assam 1426 24 22.9 18.6 0.9 268 0.3 Manipur 164 2 2.2 2.5 -0.3 35 0.0 Mizoram 92 0 1.5 1.2 0.2 45 0.0 Nagaland 123 2 2.0		Tamil Nadu							
ER DVC 2475 200 61.4 -24.0 4.2 435 0.7 Jharkhand 1061 0 23.4 12.3 1.5 105 0.3 Odisha 3533 250 65.7 28.1 1.9 385 0.8 West Bengal 6705 0 115.7 31.6 2.5 445 0.0 Sikkim 106 0 1.3 1.3 0.0 20 0.0 Arunachal Pradesh 134 1 2.2 2.1 0.1 43 0.0 Assam 1426 24 22.9 18.6 0.9 268 0.3 Manipur 164 2 2.2 2.5 -0.3 35 0.0 Mizoram 92 0 5.5 2.4 0.1 40 0.0 Nagaland 123 2 2.0 1.4 0.1 28 0.0		Pondy	325	0	6.6		-0.5	26	0.0
ER Jharkhand 1061 0 23.4 12.3 1.5 105 0.3 Odisha 3533 250 65.7 28.1 1.9 385 0.8 West Bengal 6705 0 115.7 31.6 2.5 445 0.0 Sikkim 106 0 1.3 1.3 0.0 20 0.0 Arunachal Pradesh 134 1 2.2 2.1 0.1 43 0.0 Assam 1426 24 22.9 18.6 0.9 268 0.3 Manipur 164 2 2.2 2.5 -0.3 35 0.0 Meghalaya 297 0 5.5 2.4 0.1 40 0.0 Mizoram 92 0 1.5 1.2 0.2 45 0.0 Nagaland 123 2 2.0 1.4 0.1 28 0.0		Bihar	3597	100	60.8	52.8	2.6	405	0.5
Odisha 3533 250 65.7 28.1 1.9 385 0.8 West Bengal 6705 0 115.7 31.6 2.5 445 0.0 Sikkim 106 0 1.3 1.3 0.0 20 0.0 Arunachal Pradesh 134 1 2.2 2.1 0.1 43 0.0 Assam 1426 24 22.9 18.6 0.9 268 0.3 Manipur 164 2 2.2 2.5 -0.3 35 0.0 NER Meghalaya 297 0 5.5 2.4 0.1 40 0.0 Mizoram 92 0 1.5 1.2 0.2 45 0.0 Nagaland 123 2 2.0 1.4 0.1 28 0.0		DVC	2475	200	61.4	-24.0	4.2	435	0.7
Odisha 3533 250 65.7 28.1 1.9 385 0.8 West Bengal 6705 0 115.7 31.6 2.5 445 0.0 Sikkim 106 0 1.3 1.3 0.0 20 0.0 Arunachal Pradesh 134 1 2.2 2.1 0.1 43 0.0 Assam 1426 24 22.9 18.6 0.9 268 0.3 Manipur 164 2 2.2 2.5 -0.3 35 0.0 NER Meghalaya 297 0 5.5 2.4 0.1 40 0.0 Mizoram 92 0 1.5 1.2 0.2 45 0.0 Nagaland 123 2 2.0 1.4 0.1 28 0.0	ED	Jharkhand	1061	0	23.4	12.3	1.5	105	0.3
Sikkim 106 0 1.3 1.3 0.0 20 0.0 Arunachal Pradesh 134 1 2.2 2.1 0.1 43 0.0 Assam 1426 24 22.9 18.6 0.9 268 0.3 Manipur 164 2 2.2 2.5 -0.3 35 0.0 Meghalaya 297 0 5.5 2.4 0.1 40 0.0 Mizoram 92 0 1.5 1.2 0.2 45 0.0 Nagaland 123 2 2.0 1.4 0.1 28 0.0	EN	Odisha	3533	250	65.7	28.1	1.9	385	0.8
Arunachal Pradesh 134 1 2.2 2.1 0.1 43 0.0 Assam 1426 24 22.9 18.6 0.9 268 0.3 Manipur 164 2 2.2 2.5 -0.3 35 0.0 Meghalaya 297 0 5.5 2.4 0.1 40 0.0 Mizoram 92 0 1.5 1.2 0.2 45 0.0 Nagaland 123 2 2.0 1.4 0.1 28 0.0		West Bengal	6705	0	115.7	31.6	2.5	445	0.0
Assam 1426 24 22.9 18.6 0.9 268 0.3 Manipur 164 2 2.2 2.5 -0.3 35 0.0 Meghalaya 297 0 5.5 2.4 0.1 40 0.0 Mizoram 92 0 1.5 1.2 0.2 45 0.0 Nagaland 123 2 2.0 1.4 0.1 28 0.0		Sikkim	106	0	1.3	1.3	0.0	20	0.0
Manipur 164 2 2.2 2.5 -0.3 35 0.0 Meghalaya 297 0 5.5 2.4 0.1 40 0.0 Mizoram 92 0 1.5 1.2 0.2 45 0.0 Nagaland 123 2 2.0 1.4 0.1 28 0.0		Arunachal Pradesh	134	1	2.2	2.1	0.1	43	0.0
Meghalaya 297 0 5.5 2.4 0.1 40 0.0 Mizoram 92 0 1.5 1.2 0.2 45 0.0 Nagaland 123 2 2.0 1.4 0.1 28 0.0		Assam	1426	24	22.9	18.6	0.9	268	0.3
Meghalaya 297 0 5.5 2.4 0.1 40 0.0 Mizoram 92 0 1.5 1.2 0.2 45 0.0 Nagaland 123 2 2.0 1.4 0.1 28 0.0		Manipur	164	2	2.2	2.5	-0.3	35	0.0
Mizoram 92 0 1.5 1.2 0.2 45 0.0 Nagaland 123 2 2.0 1.4 0.1 28 0.0	NER			0			0.1	40	0.0
Nagaland 123 2 2.0 1.4 0.1 28 0.0				0				45	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	9.2	-4.1	-13.1
Day peak (MW)	375.8	-222,2	-628.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	126.3	-121.9	60.8	-67.7	-2.5	-5.0
Actual(MU)	112.8	-126.6	63.5	-49.7	-3.7	-3.8
O/D/U/D(MU)	-13.5	-4.7	2.7	18.0	-1.2	1.3

F. Generation Outage(MW)

1. Generation Gatage (111 11)						
	NR	WR	SR	ER	NER	Total
Central Sector	4345	14020	3310	2785	143	24603
State Sector	11320	18468	8722	8110	50	46670
Total	15665	32488	12032	10895	193	71273

G. Sourcewise generation (MU)						
	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	515	1179	575	354	0	2624
Hydro	113	25	61	45	16	260
Nuclear	33	28	51	0	0	112
Gas, Naptha & Diesel	57	56	18	0	22	153
RES (Wind, Solar, Biomass & Others)	15	29	101	0	0	145
Total	733	1318	805	400	39	3294

^{*}Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data. सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के॰वि॰प्रा॰(ग्रि॰प्र॰)/ मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

					_	Date of I	Reporting :	: 16-Nov-
								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)
mport/1 1	Export of	ER (With NR) GAYA-VARANASI	D/C	0	196	0.0	4.1	-4.1
2	765KV	SASARAM-FATEHPUR	S/C	0	10	3.0	0.0	3.0
3		GAYA-BALIA	S/C	0	270	0.0	2.5	-2.5
<u>4</u> 5	HVDC	ALIPURDUAR-AGRA	S/C	0	172	0.0	7.3	-7.3
6		PUSAULI B/B PUSAULI-VARANASI	S/C S/C	0	247	0.0	6.1	-6.1 0.0
7	+	PUSAULI -ALLAHABAD	S/C	0	94	0.0	0.0	0.0
8	†	MUZAFFARPUR-GORAKHPUR	D/C	0	460	0.0	6.6	-6.6
9	400 KV	PATNA-BALIA	Q/C	0	888	0.0	19.0	-19.0
10	_	BIHARSHARIFF-BALIA	D/C	0	120	0.0	0.9	-0.9
11		MOTIHARI-GORAKHPUR	D/C	0	0	3.9	0.0	3.9
12		BIHARSHARIFF-VARANASI	D/C	0	161	0.9	0.0	0.9
13	220 KV	PUSAULI-SAHUPURI	S/C	0	106	0.0	2.1	-2.1
14	4	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 KV	GARWAH-RIHAND	S/C	0	0	0.8	0.0	0.8
16 17	+	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	S/C S/C	0	0	0.0	0.0	0.0
	I		5/0	U	ER-NR	8.5	48.5	-40.0
	Export of	ER (With WR)			_	0.1	0.0	^ -
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	9.6	0.0	9.6
19		NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO	D/C	0	219	4.8	0.0	4.8
20		BYPASS)	S/C	0	0	3.9	0.0	3.9
21	400	JHARSUGUDA-RAIGARH	S/C	0	0	2.1	0.0	2.1
22	400 KV	IBEUL-RAIGARH	S/C	0	0	2.1	0.0	2.1
23	_	STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0
24		RANCHI-SIPAT	D/C	0	0	6.0	0.0	6.0
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	32	0.7	0.0	0.7
26		BUDHIPADAR-KORBA	D/C	0	0 ER-WR	2.3 31.4	0.0	2.3 31.4
mport/]	Export of	ER (With SR)			ER-WK	31.4	0.0	31,4
27		ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	18.2	-18.2
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	268.0	0.0	12.4	-12.4
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2022.4	0.0	46.6	-46.6
30	400 KV	TALCHER-I/C	D/C	0.0	772.0	0.0	9.1	-9.1
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
. 5					ER-SR	0.0	77.2	-77.2
	Export of	ER (With NER)	D/G		1114	0.0		
32	400 KV	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	D/C D/C	0	917	0.0	5.8	-6 -3
34	220 KV	ALIPURDUAR-SALAKATI	D/C D/C	0	0	0.0	0.0	0
	220111	TEN CRECING GREEN WITH	D/C		ER-NER	0.0	8.6	-8.6
mport/]	Export of	NER (With NR)						I
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	501	0.0	12.6	-12.6
mnort/	Export of	WR (With NR)			NER-NR	0.0	12.6	-12.6
36	Export or	CHAMPA-KURUKSHETRA	D/C	0	500	0.0	11.8	-11.8
37	HVDC	V'CHAL B/B	D/C D/C	500	0	12.3	0.0	12.3
38	†	APL -MHG	D/C	0	1009	0.0	18.1	-18.1
39	B/F ****	GWALIOR-AGRA	D/C	0	2290	0.0	38.9	-38.9
40	765 KV	PHAGI-GWALIOR	D/C	0	1150	0.0	23.2	-23.2
41		ZERDA-KANKROLI	S/C	297	0	3.3	0.0	3.3
42	400 KV	ZERDA -BHINMAL	S/C	242	262	0.9	0.0	0.9
43		V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0
44		RAPP-SHUJALPUR	D/C	157	152	0	0	0
45	Ī	BADOD-KOTA	S/C	157	0	2.7	0.0	2.7
	+		S/C	93	0	1.3	0.0	1.3
46	220 KV	BADOD-MORAK MEHGAON-AURAUYA	C/C	~ ·	ı U			0.6
46 47	220 KV	MEHGAON-AURAIYA	S/C S/C			0.6	() ()	0.0
46 47 48		MEHGAON-AURAIYA MALANPUR-AURAIYA	S/C	52	0	0.6	0.0	0.0
46 47 48 49	132KV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR			0	0.0		0.0 - 69.9
46 47 48 49 mport/l	132KV Export of	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR)	S/C	52	0 0 WR-NR	0.0 22.7	0.0 92.5	-69.9
46 47 48 49 mport/l 50	132KV Export of HVDC	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B	S/C S/C	52 0	0 0 WR-NR	0.0 22.7 0.0	0.0 92.5 4.8	-69.9 -4.8
46 47 48 49 mport/l 50 51	132KV Export of	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU	S/C S/C	52 0 0 0	0 0 WR-NR 200 0	0.0 22.7 0.0 0.0	0.0 92.5 4.8 0.0	- 69.9 -4.8 0.0
46 47 48 49 mport/J 50 51 52	132KV Export of HVDC	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR	S/C S/C - - D/C	52 0 0 0 0 581	0 0 WR-NR 200 0 1383	0.0 22.7 0.0 0.0 0.0	0.0 92.5 4.8 0.0 9.9	- 69.9 -4.8 0.0 -9.9
46 47 48 49 mport/I 50 51 52 53	132KV Export of HVDC LINK 765 KV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	S/C S/C - - D/C D/C	52 0 0 0 0 581 0	0 0 WR-NR 200 0 1383 1615	0.0 22.7 0.0 0.0 0.0 0.0	0.0 92.5 4.8 0.0 9.9 20.2	-4.8 0.0 -9.9 -20.2
46 47 48 49 mport/l 50 51 52 53 54	132KV Export of HVDC LINK	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	S/C S/C - - - D/C D/C D/C	52 0 0 0 0 581 0 555	0 0 WR-NR 200 0 1383 1615 33	0.0 22.7 0.0 0.0 0.0 0.0 5.6	0.0 92.5 4.8 0.0 9.9 20.2 0.1	-69.9 -4.8 0.0 -9.9 -20.2 5.5
46 47 48 49 mport/I 50 51 52 53	132KV Export of HVDC LINK 765 KV 400 KV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	S/C S/C - - D/C D/C	52 0 0 0 0 581 0	0 0 WR-NR 200 0 1383 1615	0.0 22.7 0.0 0.0 0.0 0.0	0.0 92.5 4.8 0.0 9.9 20.2	-4.8 0.0 -9.9 -20.2
46 47 48 49 mport/J 50 51 52 53 54 55	132KV Export of HVDC LINK 765 KV 400 KV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	S/C S/C D/C D/C D/C D/C	52 0 0 0 581 0 555 0	0 0 WR-NR 200 0 1383 1615 33 0	0.0 22.7 0.0 0.0 0.0 0.0 5.6 0.0	0.0 92.5 4.8 0.0 9.9 20.2 0.1 0.0	-69.9 -4.8 0.0 -9.9 -20.2 5.5 0.0
46 47 48 49 nport/I 50 51 52 53 54 55 56	132KV Export of HVDC LINK 765 KV 400 KV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	S/C S/C S/C D/C D/C D/C D/C S/C	52 0 0 0 581 0 555 0	0 0 WR-NR 200 0 1383 1615 33 0	0.0 22.7 0.0 0.0 0.0 0.0 5.6 0.0 0.0 2.0	0.0 92.5 4.8 0.0 9.9 20.2 0.1 0.0 0.0	-69.9 -4.8 0.0 -9.9 -20.2 5.5 0.0 0.0
46 47 48 49 nport/I 50 51 52 53 54 55 56	132KV Export of HVDC LINK 765 KV 400 KV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	S/C S/C S/C D/C D/C D/C D/C S/C S/C	52 0 0 0 581 0 555 0 0 73	0 0 WR-NR 200 0 1383 1615 33 0 0	0.0 22.7 0.0 0.0 0.0 0.0 5.6 0.0 0.0 2.0	0.0 92.5 4.8 0.0 9.9 20.2 0.1 0.0 0.0 0.0	-69.9 -4.8 0.0 -9.9 -20.2 5.5 0.0 0.0 2.0
46 47 48 49 nport/I 50 51 52 53 54 55 56	132KV Export of HVDC LINK 765 KV 400 KV	MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	S/C S/C S/C D/C D/C D/C D/C S/C S/C	52 0 0 0 581 0 555 0 0 73	0 0 WR-NR 200 0 1383 1615 33 0 0 0 WR-SR	0.0 22.7 0.0 0.0 0.0 0.0 5.6 0.0 0.0 2.0	0.0 92.5 4.8 0.0 9.9 20.2 0.1 0.0 0.0 0.0	-69.9 -4.8 0.0 -9.9 -20.2 5.5 0.0 0.0 2.0