

भारत सरकार
केन्द्रीय विद्युत प्राधिकरण
दक्षिण क्षेत्रीय विद्युत समिति
29, रेस कोर्स क्रॉस रोड
बेंगलुरु :-560 009



Government of India
Central Electricity Authority
Southern Regional Power Committee
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सं. दक्षेविस /अअ.1/3(रियक्टिव)/2022/

No. SRPC/SE-1/3(Reac)/2022/

दिनांक /Dated: 10-May, 2022

सेवा में / To

वितरण सूची के अनुसार

As per Distribution List

विषय: 25/04/22 से 01/05/22 तक की अवधि के लिए संकुलन प्रभार लेखा।

Sub: Reactive Energy Account for the week of 25/04/22 to 01/05/22 - Reg

महोदय /Sir,

साप्ताहिक रियाक्टिव एनर्जी लेखा (संशोधित) भेजी जा रही है, जिसमें देय / प्राप्य राशी के विवरण शामिल है। रियाक्टिव एनर्जी शुल्क / उसके लिए भुगतान संशोधित सी. ई. आर. सी (आ. ई. जी. सी.) विनियम 2012 के क्लॉज 6.6(2) के अनुसार होगा, जो 10 पैसे / के. वी. ए. आर. एच होंगे और प्रतिवर्ष 0.5 पैसे / के. वी. ए. आर. एच के दर पर वृद्धि की जाएगी, अन्यथा सी ई आर सी द्वारा संशोधन किया जाए। वर्तमान में प्रति किवीएआरएच का दर 16 पैसे हैं। रियाक्टिव एनर्जी लेखा, जो ज़िप फॉर्मट में है, एस. आर. पी. सी. के वेब साइट www.srpc.kar.nic.in में भी उपलब्ध है।

The weekly statement of Reactive Energy Charges giving details of payables / receivables with the pool and between beneficiaries, in rupees, for the period is sent herewith. The rate for charge / payment for reactive energy will be governed as per clause 6.6 (2) of CERC (Indian Electricity Grid Code) Regulations, 2012 which shall be 10 paise./ KVARh and shall be escalated at 0.5 paise /KVARh per year thereafter, unless otherwise revised by CERC. Presently, the rate is 16 Paise/KVARh for Year 22-23.

The Reactive Energy Account, which is in zip format, is also available at SRPC web site, www.srpc.kar.nic.in.

भवदीय, Yours faithfully

(मेका रामकृष्ण /MEKA RAMAKRISHNA)

अधीक्षण अभियन्ता(वा)/Superintending Engineer(C)

संलग्नक:यथोपरि Encl: as above

प्रेषिती सूची/Mailing List:

1. Chief Engineer (Commercial),APPCC, Vijayawada
2. Chief Engineer, SLDC, TSTRANSCO,Hyderabad
3. Additional Director (Projects), PCKL, Bengaluru
4. Chief Engineer, SLDC, KPTCL, Bengaluru
5. Chief Engineer (SO), KSEBL, Kalamassery
6. Chief Engineer (Regulatory Cell), TANGEDCO, Chennai
7. Chief Engineer, TANTRANSCO, Chennai
8. Chief Engineer (Commercial), TSPCC , Hyderabad
9. Chief Engineer, SLDC, TSTRANSCO, Hyderabad
10. Executive Engineer (SCC/SLDC), Electricity Department, Puducherry
11. Executive Director, SRLDC, Bengaluru
12. CGM, SR-I, PGCIL, Secunderabad
13. CGM, SR-II, PGCIL, Bengaluru
14. Executive Engineer, Elect. Department, GOA

Statement of Reactive Energy Charges

For The Period From 25/04/22 To 01/05/22

A. REACTIVE ENERGY CHARGES WITH THE POOL

Entity	AMOUNT	AMOUNT-Pro Rata (Rs)	PAYABLE(-)/RECEIVABLE(+)
ANDHRA PRADESH	12228819.093	19,31,488	Receivable From Pool
KARNATAKA	17507380.757	27,65,213	Receivable From Pool
KERALA	2454307.078	3,87,647	Receivable From Pool
TAMIL NADU	2656541.845	4,19,589	Receivable From Pool
PUDUCHERRY	69234.1	10,935	Receivable From Pool
TELANGANA	-5514871.681	55,14,872	Payable To Pool

B. NET REACTIVE CHARGES BETWEEN ENTITES

(as per decision in the 132nd & 140th meeting of SRE Board)

Entity Payable → in Rs	ANDHRA PRADESH	KARNATAKA	KERALA	TAMIL NADU	TELANGANA	PUDUCHERRY
ANDHRA PRADESH	N/A	10,266	N/A	8,013	7,43,826	4,237
KARNATAKA	0	N/A	0	0	0	N/A
KERALA	N/A	34,080	N/A	1,60,990	N/A	24,902
TAMIL NADU	0	21,973	0	N/A	N/A	N/A
TELANGANA	0	2,534	N/A	N/A	N/A	N/A
PUDUCHERRY	0	N/A	0	N/A	N/A	N/A

These payments shall also have a high priority and the concerned regional entities and other regional entities shall pay the indicated amount into Regional Reactive Pool Account, operated by SRLDC, within 10 (ten) days of statement issue. The regional entities who have to receive the money on account of VAR charges would then be paid out from the Regional Reactive Account, within 2 (two) working days. In case of delayed payments against this beyond twelve days from the date of issue of statement, the defaulting regional entities shall have to pay simple interest @ 0.04% for each day of delay. The interest so collected shall be paid to the regional entities who had to receive the amount, payment of which got delayed.

For VAR exchanges between constituents on state owned inter-state lines in Southern Region the payment for VAR charges will be in line with clause 6.6.7 (iii) of IEGC, as approved by the Board in 140th Meeting of SREB held on 18.3.2006.

C. DETAILS OF REACTIVE ENERGY DRAWAL/INJECTIONS BY BENEFICIARIES WITH THE POOL

SEM meter readings are given below without considering the Sign/Polarity:

ANDHRA PRADESH

Location	Sign	Element Name	Station Name	MVAR_H	MVAR_L
AC-01	P	400kV side of ICT 1 AT CUDDAPAH	CUDDAPAH	1788.913	0
AC-03	P	400kV side of ICT 2 AT CUDDAPAH	CUDDAPAH	2047.636	0
AC-05	P	400KV SIDE OF ICT 3 AT CUDDAPAH	CUDDAPAH	3572.365	0
AC-12	N	400KV CUDAPPAH LINE AT CHITTOOR	Chittoor	-3067.614	0
AC-13	N	400kV SRIPERUMBUDUR LINE AT CHITHOOR	Chittoor	887.642	-0.369
AC-15	N	400KV THIRUVALEM LINE 1 AT CHITTOOR	Chittoor	7122.188	0
AC-16	N	400KV THIRUVALEM LINE 2 AT CHITTOOR	Chittoor	6973.068	0
AG-11	P	400KV SIDE OF ICT 1 AT GOOTY	Gooty	-128.182	0
AG-13	P	400kV side of ICT 2 AT GOOTY	Gooty	-857.236	0
AG-16	P	400KV SIDE OF ICT 3 AT GOOTY	Gooty	-1270.909	0
AG-43	P	400kV HVDC SOUTH BUS 1 AT GAZUWAKA	Gazuwaka	-1645.085	0
AG-44	P	400kV HVDC SOUTH BUS 2 AT GAZUWAKA	Gazuwaka	70.543	0
AG-48	P	400kV POLE 2 SOUTH BUS AT HVDC GAZUWAKA	Gazuwaka	6248.367	0
AG-49	N	400KV SIMHADRI LINE 2 AT GAZUWAKA	Gazuwaka	1725.092	0
AG-50	N	400KV SIMHADRI LINE 1 AT GAZUWAKA	Gazuwaka	2437.103	0
AG-51	N	400KV VEMAGIRI (PG) LINE AT GAZUWAKA	Gazuwaka	-6391.648	0
AH-51	N	400KV NP KUNTA LINE-1 AT HINDUPUR	Hindupur	2549.091	0
AH-52	N	400KV NP KUNTA LINE-2 AT HINDUPUR	Hindupur	2858.92	0
AK-31	N	400kV GOOTY LINE AT KURNOOL	Kurnool	-6622.159	0
AK-32	N	400KV MAHESHWARAM LINE AT KURNOOL	Kurnool	-2317.812	0
AK-34	N	400KV NEW KURNOOL LINE 1 AT KURNOOL (AP)	Kurnool	4461.09	0
AK-35	N	400KV NEW KURNOOL LINE-2 AT KURNOOL (AP)	Kurnool	4377.818	0
AK-45	P	33KV SIDE TERTIARY TRANSFORMER AT KURNOOL	Kurnool	-1.583	0
AM-31	N	400KV SRIKAKULAM LINE 1 AT MARADAM	MARADAM	-6965.085	0

AM-32	N	400KV SRIKAKULAM LINE 2 AT MARADAM	MARADAM	-6975.994	0
AN-01	P	400KV NELLORE (AP) INTERCONNECTOR 1 AT NELLORE (PG)	Nellore PG	581.079	0
AN-03	P	400KV NELLORE (AP) INTERCONNECTOR 2 AT NELLORE (PG)	Nellore PG	427.642	0
AN-17	N	400KV VIJAYAWADA LINE AT NELLORE (AP)	Nellore AP	-1367.637	0
AN-18	N	400KV VTPS LINE AT NELLORE (AP)	Nellore AP	-1857.103	0
AN-21	P	400kV side of ICT 1 AT NSagaR	Nagarjunasagar	4929.273	0
AN-23	P	400kV side of ICT 2 AT NSagaR	Nagarjunasagar	4612.912	0
AN-25	P	400kV side of ICT 3 AT NSagaR	Nagarjunasagar	3884.545	0
AN-69	P	33KV SIDE OF TERTIARY OF ICT 2 AT NELLORE PS	Nellore PG	2.967	0
AS-17	N	400KV CPETA-1 LINE AT SATTENAPALLI	Sattenapalli	1143.239	0
AS-18	N	400KV CPETA-2 LINE AT SATTENAPALLI	Sattenapalli	1116.364	0
AS-33	P	TERTIARY OF ICT-1 AT SRIKAKULAM	SRIKAKULAM	0.543	0
AV-11	N	400KV VEMAGIRI(PG) LINE AT VIJAYAWADA	Vijayawada	-5571.619	0
AV-12	N	400kV KHAMMAM LINE AT VIJAYAWADA	Vijayawada	-9179.638	0
AV-13	N	400KV NELLORE LINE 1 AT VIJAYAWADA	Vijayawada	-5005.092	0
AV-14	N	400KV NELLORE LINE 2 AT VIJAYAWADA	Vijayawada	-6665.455	0
AV-17	N	400KV VEMAGIRI LINE 3 AT VIJAYAWADA	Vijayawada	-2076.364	0
AV-18	N	400KV VEMAGIRI LINE 4 AT VIJAYAWADA	Vijayawada	-1739.636	0
AV-19	N	400KV NELLORE LINE 3 AT VIJAYAWADA	Vijayawada	-6975.653	0
AV-51	N	400KV NELLORE LINE AT VTPS	VTPS	-2265.455	0
AV-85	P	33KV SIDE OF TERTIARY OF ICT-1 AT VEMAGIRI(PG)	VEMAGIRI	3.075	0
AV-87	N	400 KV VEMAGIRI(AP)-VEMAGIRI(PG)-1	VEMAGIRI	-5294.545	0
AV-88	N	400 KV VEMAGIRI(AP)-VEMAGIRI(PG)-2	VEMAGIRI	-6324.364	0
LK-01	N	400KV LANCO LINE 1 AT VIJAYAWADA	Vijayawada	0	0
LK-03	N	400KV LANCO LINE 2 AT VIJAYAWADA	Vijayawada	-1152.361	0

TELANGANA

Location	Sign	Element Name	Station Name	MVAR_H	MVAR_L
AG-01	N	400kV HYDERABAD LINE AT GAJVEL	Gajwel	10009.091	0
AG-02	N	400kV RAMAGUNDAM LINE AT GAJVEL	Gajwel	7650.54	0
AH-11	N	400KV GAJVEL LINE AT HYDERABAD	Hyderabad	-5108.011	0
AH-12	N	400KV MAHESHWARAM (PGCIL) LINE AT HYDERABAD	Hyderabad	-7977.827	0
AH-14	N	400kV MALKARAM LINE AT HYDERABAD	Hyderabad	-2047.273	0
AH-16	N	400KV NSagaR LINE AT HYDERABAD	Hyderabad	-6952.727	0
AH-17	N	400kV RAMAGUNDAM 3 LINE AT HYDERABAD	Hyderabad	-2005.455	0
AH-18	N	400kV RAMAGUNDAM 4 LINE AT HYDERABAD	Hyderabad	-1525.455	0
AK-09	N	400KV NSAGAR LINE 2 AT KHAMMAM	Khammam	-8513.097	0
AK-10	N	400KV NSAGAR LINE 3 AT KHAMMAM	Khammam	-8487.273	0
AK-17	N	400KV NSagaR LINE-1 AT KHAMMAM	Khammam	-7971.648	0
AK-18	N	400kV VIJAYAWADA LINE AT KHAMMAM	Khammam	6395.277	0
AK-19	N	400kV WARANGAL LINE AT KHAMMAM	Khammam	-2733.091	0
AM-01	N	400kV NSagaR LINE AT MEHABOBNAGAR	Mehaboobnagar	-7084.361	0
AM-02	N	400KV RTPS LINE AT MEHABOBNAGAR	Mehaboobnagar	9747.273	0
AM-21	N	400kV HYDERABAD LINE AT MALKARAM	Malkaram	4353.452	0
AM-22	N	400kV RAMAGUNDAM LINE AT MALKARAM	Malkaram	-1149.091	0
AW-13	N	400kV RAMAGUNDAM LINE AT WARANGAL	Warangal	8189.091	0
AW-14	N	400KV KHAMMAM LINE AT WARANGAL	Warangal	-8878.182	0
GD-03	N	400KV NIZAMABAD LINE-1 AT DITCHIPALLI	Dichipally	13137.443	0
GD-04	N	400KV NIZAMABAD LINE-2 AT DITCHIPALLI	Dichipally	13107.642	0
GM-12	N	400KV SIDE OF ICT-1 AT MAHESHWARAM	Maheshwaram	24307.628	0
GM-14	N	400KV SIDE OF ICT-2 AT MAHESHWARAM	Maheshwaram	24396.009	0

GM-21	N	400KV KURNOOL LINE MAHESHWARAM	Maheshwaram	-2926.918	0
GM-22	N	400KV HYDERABAD(GHANAPUR) LINE AT MAHESHWARAM	Maheshwaram	3760.377	0
GM-25	N	400KV MAHABOBNAGAR LINE -1 AT MAHESHWARAM	Maheshwaram	-5345.455	0
GM-26	N	400KV MAHABOBNAGAR LINE -2 AT MAHESHWARAM	Maheshwaram	-5230.909	0
GM-81	N	400KV MAHESHWARAM(PGCIL) LINE-1 AT MEHABOBNAGAR	Mehaboobnagar	-1977.454	0
GM-82	N	400KV MAHESHWARAM(PGCIL) LINE-2 AT MEHABOBNAGAR	Mehaboobnagar	-1942.543	0
GN-05	P	33KV SIDE OF TERTIARY OF ICT-1 AT NIZAMABAD	NIZAMABAD	-0.326	0
GS-01	N	400KV NIZAMABAD LINE-1 AT SHANKARPALLY	Shankarpally	-1324.375	0
GS-02	N	400KV NIZAMABAD LINE-2 AT SHANKARPALLY	Shankarpally	-1405.057	0

KARNATAKA

Location	Sign	Element Name	Station Name	MVAR_H	MVAR_L
CB-11	P	400KV SIDE OF ICT 1 AT BIDADI	Bidadi	712.727	10.177
CB-13	P	400KV SIDE OF ICT 2 AT BIDADI	Bidadi	707.273	8.012
CB-51	N	400KV PAVAGADA LINE-1 AT BELLARY PS(BPS)	BELLARY PS	-922.905	0
CB-52	N	400KV PAVAGADA LINE-2 AT BELLARY PS(BPS)	BELLARY PS	-937.095	0
CD-01	N	400KV YELAHANKA LINE -1 AT DEVANAHALLI	Devanahalli	54.545	14.545
CD-02	N	400KV PAVAGADA LINE -1 AT DEVANAHALLI	Devanahalli	-6600	-29.091
CD-03	N	400KV PAVAGADA LINE -2 AT DEVANAHALLI	Devanahalli	-6716.364	-29.091
CG-13	N	400KV KAIGA LINE 1 AT GUTTUR	Guttur	-1200	0
CG-14	N	400KV KAIGA LINE 2 AT GUTTUR	Guttur	-1465.092	0
CG-16	N	400KV NARENDRA LINE 1 AT GUTTUR	Guttur	-1743.999	0
CG-17	N	400KV NARENDRA LINE 2 AT GUTTUR	Guttur	-1085.455	0
CH-06	N	400KV KOLAR LINE-1 AT HOODY	Hoody	933.096	-441.818
CH-07	N	400KV KOLAR LINE-2 AT HOODY	Hoody	843.295	-334.176
CH-21	N	400KV MYSORE LINE 1 AT HASSAN	Hassan	-3986.182	-0.364
CH-22	N	400KV MYSORE LINE 2 AT HASSAN	Hassan	-3995.284	-0.364
CH-57	N	400KV PAVAGADA LINE-1 AT HIRIYUR	HIRIYUR	-9160	0

CH-58	N	400KV MYSORE LINE-1 AT HIRIYUR	HIRIYUR	-6336.726	0
CK-11	P	400kV side of ICT 1 AT KOLAR	Kolar	3498.182	0
CK-13	P	400kV side of ICT 2 AT KOLAR	Kolar	4476.726	0
CM-12	N	400KV RTPS LINE AT MUNIRABAD	Munirabad	-349.46	-19.631
CM-13	N	400KV SOMANAHALLI LINE AT MYLASANDRA	Mylasandra	-8570.909	-763.636
CM-14	N	400KV KOLAR LINE AT MYLASANDRA	Mylasandra	-2152.727	-661.818
CM-21	P	400KV SIDE OF ICT 1 AT MYSORE	Mysore	-186.545	0
CM-23	P	400kV side of ICT 2 AT MYSORE	Mysore	-287.565	0.654
CM-27	P	400KV SIDE OF ICT 3 AT MYSORE	Mysore	-516.733	21.818
CM-51	P	400KV SIDE OF ICT 1 AT MADHUGIRI	MADHUGIRI	9541.818	5.455
CM-53	P	400KV SIDE OF ICT 2 AT MADHUGIRI	MADHUGIRI	1026.548	4.727
CM-55	P	400KV SIDE OF ICT 3 AT MADHUGIRI	MADHUGIRI	785.455	2.188
CN-11	N	400KV BIDADI LINE 1 AT NELAMANGALA	Nelamangala	-3610.185	-167.637
CN-12	N		Nelamangala	0	0
CN-13	N	400kV GOOTY LINE AT NELAMANGALA	Nelamangala	4501.091	114.545
CN-17	N	400KV MYSORE LINE 1 AT NELAMANGALA	Nelamangala	-3732.727	-6.165
CN-18	N	400KV MYSORE LINE 2 AT NELAMANGALA	Nelamangala	-3564.73	-39.631
CN-19	N	400KV YELAHANKA LINE 2 AT NELAMANGALA	Nelamangala	-2927.273	-40
CN-20	N	400KV BIDADI LINE-2 AT NELAMANGALA	Nelamangala	-3933.082	-136.364
CN-31	P	400kV side of ICT 1 AT NARENDRA	Narendra	3639.638	0
CN-33	P	400kV side of ICT 2 AT NARENDRA	Narendra	3847.628	0
CR-11	N	400KV RAICHUR (PG) 1 LINE AT RTPS	Raichur	-4820.369	0
CR-12	N	400KV RAICHUR (PG) 2 LINE AT RTPS	Raichur	-6357.472	0
CR-14	N	400KV MUNIRABAD LINE AT RTPS	Raichur	-1690.909	0
CR-15	N	400KV MEHBOOBNAGAR LINE AT RTPS	Raichur	-7165.824	0
CS-01	P	400kV side of ICT 1 AT SOMANAHALLI	Somanahally	351.271	269.801
CS-03	P	400KV SIDE OF ICT 2 AT SOMANAHALLI	Somanahally	-1744.723	-13.089
CS-05	P	400KV SIDE OF ICT-3 AT SOMANAHALLI	Somanahally	-2318.551	-22.184
CY-03	P	400KV SIDE OF ICT-1 AT YELAHANKA	Yelahanka	1306.179	226.909

CY-05	P	400KV SIDE OF ICT-2 AT YELAHANKA	Yelahanka	1242.897	298.546
RC-19	P	33KV SIDE (TERTIARY) OF ICT-1 AT RAICHUR	RAICHUR 765kV	-0.129	0

KERALA

Location	Sign	Element Name	Station Name	MVAR_H	MVAR_L
KC-01	P	400KV SIDE OF ICT 1 AT COCHIN	Kochi	-819.051	0
KC-03	P	400KV SIDE OF ICT 2 AT COCHIN	Kochi	-770.616	0
KE-01	N	220KV TIRUNELVELI LINE 1 AT EDAMON	Edamon	-6135.688	0
KE-02	N	220KV TIRUNELVELI LINE 2 AT EDAMON	Edamon	-5875.525	0
KK-21	N	400KV MYSORE LINE -1 AT KOZHIKODE	KOZHIKODE	43.991	0
KK-22	N	400KV MYSORE LINE -2 AT KOZHIKODE	KOZHIKODE	88.721	0
KP-11	P	400kV side of ICT 1 AT PALAKKAD	Palakkad	336	0
KP-13	P	400kV side of ICT 2 AT PALAKKAD	Palakkad	391.415	0
KT-01	P	400KV TRICHUR(KSEB) INTERCONNECTOR 1 AT TRICHUR(PG)	Trichur	2109.091	0
KT-03	P	400KV TRICHUR(KSEB) INTERCONNECTOR 2 AT TRICHUR(PG)	Trichur	2363.281	0
KT-21	P	400kV side of ICT 1 AT TRIVANDRAM	Trivandrum	-264.874	0
KT-23	P	400kV side of ICT 2 AT TRIVANDRAM	Trivandrum	-264.652	0
KT-25	P	400kV side of ICT 3 AT TRIVANDRAM	Trivandrum	-268.364	0
KT-44	P	400KV SIDE OF ICT 1 AT THRISSUR HVDC	Trichur	323.636	0
KT-45	P	400KV SIDE OF ICT 2 AT THRISSUR HVDC	Trichur	327.273	0
PG-17	N	33KV SIDE AUXILIARY TRANSFORMER AT THRISSUR HVDC ICT 1 MAIN	HVDC Trichur	0.885	0.045
PG-19	N	33KV SIDE AUXILIARY TRANSFORMER AT THRISSUR HVDC ICT 2 MAIN	HVDC Trichur	1.5	0.12

TAMIL NADU

Location	Sign	Element Name	Station Name	MVAR_H	MVAR_L
TA-11	N	400KV VALLUR LINE 1 AT ALAMATHY	Alamathy	926.535	0
TA-12	N	400KV VALLUR LINE 2 AT ALAMATHY	Alamathy	503.296	0.739

TA-31	N	400KV UDUMALPET LINE 1 AT ARASUR	Arasur	-533.089	0
TA-32	N	400KV UDUMALPET LINE 2 AT ARASUR	Arasur	-532.358	0
TA-35	N	400KV PUGALUR HVDC LINE 1 AT ARASUR	ARASUR	-312.727	0
TA-36	N	400KV PUGALUR HVDC LINE 2 AT ARASUR	Arasur	-316.364	0
TH-01	P	400KV SIDE OF ICT 1 AT HOSUR	Hosur	3378.767	32.947
TH-03	P	400kV side of ICT 2 AT HOSUR	Hosur	3589.091	9.818
TH-06	P	400KV SIDE OF ICT 3 AT HOSUR	Hosur	3564	53.889
TK-11	N	400KV VALLUR LINE 1 AT KALAVINTHAPATTU	Kalavinthapattu	-96.009	-11.637
TK-12	N	400KV VALLUR LINE 2 AT KALAVINTHAPATTU	Kalavinthapattu	-33.459	-29.432
TK-14	N	400KV PUGALUR LINE 2 AT KALAVINTHAPATTU (LILOED AT NNTPP)	Kalavinthapattu	-3647.273	-0.738
TK-15	N	400KV THIRUVELAM LINE 1 AT KALAVINTHAPATTU	Kalavinthapattu	-359.261	2.898
TK-16	N	400KV THIRUVELAM LINE 2 AT KALAVINTHAPATTU	Kalavinthapattu	-394.176	2.187
TK-25	N	400kV MADURAI LINE AT KARAUKUDI	Karaikudi	-1337.443	0
TK-26	N	400kV TRICHY LINE AT KARAUKUDI	Karaikudi	17337.472	0
TM-01	P	400kV side of ICT 1 AT MADURAI	Madurai	2018.921	0
TM-03	P	400kV side of ICT 2 AT MADURAI	Madurai	3535.994	0
TM-05	P	400KV SIDE OF ICT 3 AT MADURAI	Madurai	544.716	0
TP-08	N	400KV KALAVINTHAPATTU LINE 2 AT PUGALUR (LILOED AT NNTPP)	Pugalur	2037.812	0
TP-11	N	400kV MADURAI 1 LINE AT PUGALUR	Pugalur	-4536.364	0
TP-12	N	400kV MADURAI 2 LINE AT PUGULUR	Pugalur	-4870.568	0
TP-13	N	400KV NEYVELI TS2 LINE AT PUGULUR	Pugalur	2771.637	0
TP-14	N	400kV NLC TS 2 EXPN LINE AT PUGULUR	Pugalur	2231.271	0
TP-16	N	400KV PUGALUR HVDC LINE 1 AT PUGALUR	PUGALUR	649.453	0
TP-17	N	400KV PUGALUR HVDC LINE 2 AT PUGALUR	PUGALUR	727.997	0
TS-01	P	400KV INTERCONNECTOR(TNEB) 1 AT SALEM (PG)	Salem	5486.534	0
TS-03	P	400KV INTERCONNECTOR(TNEB) 2 AT SALEM (PG)	Salem	6230.568	0
TS-21	P	400KV INTERCONNECTOR(TNEB) 1 AT SRIPERAMBADUR (PG)	Sriperumbudur	705.455	562.188

TS-23	P	400KV INTERCONNECTOR(TNEB) 2 AT SRIPERAMBADUR (PG)	Sriperumbudur	5771.648	4.346
TS-41	N	400KV PONDY LINE AT SV CHATRAM	S V Chatram	0	-308.363
TS-42	N	400kV SRIPERUMBUDUR LINE AT SV CHATRAM	S V Chatram	0	2653.818
TT-01	P	400kV side of ICT 1 AT TRICHY	Trichy	105.455	0.363
TT-03	P	400kV side of ICT 2 AT TRICHY	Trichy	230.554	0
TT-05	P	400KV SIDE OF ICT-3 AT TRICHY	Trichy	5.455	0
TT-30	N	400KV MADURAI LINE -1 AT TIRUNELVELI	Tirunelveli	-5633.821	0
TT-31	N	400KV KUDAMKULAM LINE 1 AT TIRUNELVELI	Tirunelveli	2235.625	0
TT-32	N	400KV KUDAMKULAM LINE 2 AT TIRUNELVELI	Tirunelveli	2494.545	0
TT-33	N	400KV KUDAMKULAM LINE 3 AT TIRUNELVELI	Tirunelveli	0	0
TT-34	N	400KV KUDAMKULAM LINE 4 AT TIRUNELVELI	Tirunelveli	0	0
TT-35	N	400KV TRIVANDRUM LINE 1 AT TIRUNELVELI	Tirunelveli	-1752.727	0
TT-36	N	400KV TRIVANDRUM LINE 2 AT TIRUNELVELI	Tirunelveli	-1908.352	0
TT-37	N	400KV UDUMALPET LINE 1 AT TIRUNELVELI	Tirunelveli	-999.276	0
TT-38	N	400KV UDUMALPET LINE 2 AT TIRUNELVELI	Tirunelveli	-836.364	0
TT-39	N	220KV EDAMON LINE 1 AT TIRUNELVELI	Tirunelveli	10314.556	0
TT-40	N	220KV EDAMON LINE 2 AT TIRUNELVELI	Tirunelveli	9979.525	0
TT-42	N	400KV MADURAI LINE 2 AT TIRUNELVELI	Tirunelveli	-5632.727	0
TT-43	N	400KV KOCHI LINE 1 AT TIRUNELVELI	TIRUNELVELI	-1060.398	0
TT-44	N	400KV KOCHI LINE 2 AT TIRUNELVELI	TIRUNELVELI	-1256.705	0
TT-45	N	400KV TUTICORIN LINE AT TIRUNELVELI (LILO OF TCRN-KKNPP-3)	Tirunelveli	4978.182	0
TT-46	N	400KV KKNPP LINE AT TIRUNELVELI (LILO OF TCRN-KKNPP-3)	Tirunelveli	1160	0
TT-80	N	400KV BUS SECTION 2 (TNEB) AT THIRUVALEM (PGCIL)	Thiruvalam	-357.841	0
TT-81	N	400KV BUS SECTION 1 (TNEB) AT THIRUVALEM (PGCIL)	Thiruvalam	459.631	0
TU-01	P	400kV side of ICT 1 AT UDUMALPET	Udumalpet	497.813	0

TU-03	P	400kV side of ICT 2 AT UDUMALPET	Udumalpet	1225.824	0
TU-05	P	400kV side of ICT 3 AT UDUMALPET	Udumalpet	466.909	0

PONDICHERRY

Location	Sign	Element Name	Station Name	MVAR_H	MVAR_L
PK-01	N	230 KV KARAİKAL-BAHOUR LINE	KARAİKAL	-816.641	0
PK-02	N	230KV KARAİKAL-NEYVELI LINE	KARAİKAL	-188.478	0
PP-01	P	400KV SIDE OF ICT 1 AT PUDUCHERRY	Puducherry	0.213	0
PP-03	P	400KV SIDE OF ICT 2 AT PUDUCHERRY	Puducherry	0	0.218
PP-05	P	400KV SIDE OF ICT 3 AT PUDUCHERRY	Puducherry	0	1.455
PV-01	N	230kV NEYVELI LINE AT VILLIANUR	Puducherry	0	-570.946

D. DETAILS OF REACTIVE ENERGY DRAWAL/INJECTIONS ON INTER STATE LINES

SEM meter readings are given below without considering the Sign/Polarity:

Location ID	State	Sign Type	Connecting State	Connecting State Meter	Element Name	Station Name	MVAR_H	MVAR_L
AB-10	AP	N	TS	GW-01	220kV WANAPARTHY LINE at BRAHMANAKOTKUR	BRAHMANAKOTKUR	-493.6	0
AC-14	AP	N	TN	TT-51	220KV THIRUVALAM LINE AT CHITTOOR (AP)	CHITTOOR	255.519	69.275
AC-20	AP	N	TS	GA-60	132KV ALAMPUR X ROAD LINE 1 AT AP CARBIDES	AP CARBIDES	0	0
AC-21	AP	N	TS	GA-63	132KV ALAMPUR X ROAD LINE 2 AT AP CARBIDES	AP CARBIDES	0	0
AC-31	AP	N	TS	GS-67	220KV SURYAPETA LINE 1 AT CHILLAKALLU	CHILLAKALLU	-2485.6	0
AC-32	AP	N	TS	GK-11	220KV PULLICHINTALA LINE 2 AT CHILLAKALLU	CHILLAKALLU	-2004.16	0
AC-33	AP	N	TS	GM-32	132kV MADHIRA LINE at CHILLAKALLU	CHILLAKALLU	-115.523	0
AC-34	AP	N	TS	GK-52	132kV KHAMMAM LINE at CHILLAKALLU	CHILLAKALLU	0	0
AC-35	AP	N	TS	GK-53	132KV KUSUMANCHI LINE AT CHILLAKALLU	CHILLAKALLU	33.412	-0.072
AC-36	AP	N	TS	GK-54	132KV KODADA LINE AT CHILLAKALLU	CHILLAKALLU	-114.623	0
AC-37	AP	N	TS	GR-01	132KV RAMAPURAM LINE AT CHILLAKALLU	CHILLAKALLU	-342	0

AC-38	AP	N	TS	GS-63	132kV SEETHAPURAM LINE at CHILLAKALLU	CHILLAKALLU	-611.426	0
AC-39	AP	N	TS	GB-01	132KV BONAKALU LINE 1 AT CHILLAKALLU	CHILLAKALLU	-106.824	0
AC-40	AP	N	TS	GB-02	132KV BONAKALU LINE 2 AT CHILLAKALLU	CHILLAKALLU	-245.807	0
AK-12	TS	N	AP	AK-24	400KV KALPAKA LINE 2 AT KHAMMAM	KHAMMAM	0	0
AK-23	AP	N	TS	GA-02	400KV ASUPAKA LINE 1 AT KALPAKA	KALAPAAKA	-6381.818	0
AK-24	AP	N	TS	AK-12	400KV KHAMMAM LINE 2 AT KALPAKA	KALAPAAKA	0	0
AK-50	AP	N	PO	PY-01	132KV YANAM LINE AT PRATHAP NAGAR (KAKINADA)	KAKINADA	7.326	30.42
AK-52	AP	N	TS	GS-64	132kV SEETHAPURAM LINE at KCP CEMENTS	KCP CEMENTS	19.188	0
AK-61	AP	N	TS	GS-60	400KV SRISAILAM LB LINE AT KURNOOL	KURNOOL	-10435.653	0
AK-71	AP	N	TS	GA-61	132KV ASWRAOPET LINE 1 AT KAMAVARAPUKOTA	KAMAVARAPUKOTA	-69.12	0
AK-72	AP	N	TS	GA-62	132KV ASWRAOPET LINE 1 AT KAMAVARAPUKOTA	KAMAVARAPUKOTA	0	0
AK-73	AP	N	TS	GS-68	400KV SURYAPETA LINE-1 AT KAMAVARAPUKOTA	KAMAVARAPUKOTA	-13154.191	0
AK-74	AP	N	TS	GS-69	400KV SURYAPETA LINE-2 AT KAMAVARAPUKOTA	KAMAVARAPUKOTA	-581.136	0
AL-01	AP	N	TS	GK-02	220KV KTPS LINE 1 AT L SILERU	LOWER SILERU	-1332.002	0
AL-02	AP	N	TS	GK-03	220KV KTPS LINE 2 AT L SILERU	LOWER SILERU	-2252	0
AM-03	TS	N	AP	AU-03	400KV URAVAKONDA LINE-1 AT MAHABOBNAGAR	MEHABOBNAGAR	-5129.453	0
AM-04	TS	N	AP	AU-04	400KV URAVAKONDA LINE -2 AT MAHABOBNAGAR	MEHABOBNAGAR	-6255.284	0
AN-71	AP	N	TS	GK-01	220KV KTPS LINE AT NUNNA	NUNNA	3044.8	0
AR-01	AP	N	KA	CA-01	220KV ALIPUR LINE AT RAGULAPADU	RAGULAPADU	3672.8	64.162
AR-11	AP	N	TS	GS-66	132kV NSagaR LINE at NSagaR RIGHT CANAL	NSagaR RC	-3228.77	0
AS-01	AP	N	TN	TG-01	220KV GUMMIDIPUNDI LINE AT SULURPET	SULURPET	-189.759	-117.6
AS-11	AP	N	TS	GS-65	220kV NSagaR LINE at SRISAILAM RB	SRISAILAM RB	508.15	0
AS-12	AP	N	TS	GD-01	220KV DINDI LINE 1 AT SRISAILAM RB	SRISAILAM RB	676	0

AS-13	AP	N	TS	GD-02	220KV DINDI LINE 2 AT SRISAILAM RB	SRISAILAM RB	749.6	0
AS-14	AP	N	TS	GS-61	400KV SRISAILAM LB LINE 1 AT SATTENAPALLI	SATTENAPALLI	0	0
AS-15	AP	N	TS	GS-62	400KV SRISAILAM LB LINE 2 AT SATTENAPALLI	SATTENAPALLI	-674.909	0
AT-01	TS	N	KA	CS-31	220KV SEDAM LINE AT TANDUR (AP)	TANDUR	0.162	16
AT-11	AP	N	TS	GT-60	220KV NSagaR LINE 3 AT TALLAPALLI	TALAPALLI	649.6	36.8
AT-12	AP	N	TS	GT-61	220KV NSagaR LINE 1 AT TALLAPALLI	TALAPALLI	3213.437	0
AT-13	AP	N	TS	GT-63	220KV NSagaR LINE 2 AT TALLAPALLI	TALAPALLI	3298.237	0
AT-14	AP	N	TS	GC-12	220KV CHALAKURTHY LINE AT TALLAPALLI	TALAPALLI	338.56	0
AT-22	AP	N	TS	GW-10	132KV WADAPALLI LINE AT TANGEDA	TANGEDA	-23.04	0
AU-03	AP	N	TS	AM-03	400KV MAHABOBNAGAR LINE 1 AT URAVAKONDA	URAVAKONDA	-2338.906	0
AU-04	AP	N	TS	AM-04	400KV MAHABOBNAGAR LINE 2 AT URAVAKONDA	URAVAKONDA	-3538.182	0
AV-61	AP	N	TS	GK-30	400KV SURYAPETA LINE AT VTPS	VTPS	-13479.659	0
AV-63	AP	N	TS	GS-70	400KV SURYAPET LINE 2 AT VTPS	VTPS	-13271.279	0
CA-01	KA	N	AP	AR-01	220KV RAGULAPADU LINE AT ALIPURA	ALIPUR	0	-1608.478
CK-01	KA	N	KL	KK-02	220KV KANIYAMPETTA LINE AT KADAKOLA	KADAKOLA	213	-57
CK-02	KA	N	KL	KK-03	110KV MANJESWARAM LINE AT KONAJE	KONAJE	0.1	16.5
CS-31	KA	N	TS	AT-01	220KV TANDUR LINE AT SEDAM	SEDAM	-171.519	-229.763
CY-01	KA	N	TN	TH-30	220KV HOSUR LINE AT YERANDAHALLY	YERANDAHALLY	-721.278	-152.637
DM-01	AP		TS	NIL		AP CARBIDES	0	0
GA-02	TS	N	AP	AK-23	400KV KALPAKA LINE -1 AT ASUPAKA	ASUPAKA	-634.545	0
GA-60	TS	N	AP	AC-20	132KV AP CARBIDES LINE 1 AT ALAMPUR X ROAD	ALAMPUR X Roads	-66.888	-0.073
GA-61	TS	N	AP	AK-71	132KV KAMAVARAPUKOTA LINE 1 AT ASWAROPET	ASWARAPET	-148.534	0
GA-62	TS	N	AP	AK-72	132KV KAMAVARAPUKOTA LINE 2 AT ASWAROPET	ASWARAPET	-238.033	0
GA-63	TS	N	AP	AC-21	132KV AP CARBIDES LINE 2 AT ALAMPUR X ROAD	ALAMPUR X Roads	-67.753	-0.073

GB-01	TS	N	AP	AC-39	132KV CHILAKALLU LINE1 AT BONAKALLU	BONAKALLU	0	0
GB-02	TS	N	AP	AC-40	132KV CHILAKALLU LINE2 AT BONAKALLU	BONAKALLU	0	0
GC-12	TS	N	AP	AT-14	220KV TALLAPALLI LINE AT CHALAKURTHY	CHALAKURTHY	-1179.362	0
GD-01	TS	N	AP	AS-12	220KV SRISAILAM LINE 1 AT DOMMALAPENTA	DOMMALAPENTA	-722.875	0
GD-02	TS	N	AP	AS-13	220KV SRISAILAM LINE 2 AT DINDI	DINDI	-2340.481	0
GK-01	TS	N	AP	AN-71	220kv NUNNA LINE at KTPS	KTPS	-4423.363	0
GK-02	TS	N	AP	AL-01	220KV L SILERU LINE 1 AT KTPS	KTPS	-679.05	0
GK-03	TS	N	AP	AL-02	220KV L SILERU LINE 2 AT KTPS	KTPS3	-281.801	0
GK-11	TS	N	AP	AC-32	220KV CHILLAKALLU LINE 2 AT PULICHINTALA	pulichintala	876.481	0
GK-30	TS	N	AP	AV-61	400KV VTPS LINE 1 AT SURYAPETA	SURYAPETA(400kv)	2788.381	0
GK-52	TS	N	AP	AC-34	132KV CHILLAKALLU LINE AT KHAMMAM	KHAMMAM 132	-177.805	0
GK-53	TS	N	AP	AC-35	132kv CHILLAKALLU LINE at KUSUMANCHI	KUSUMANCHI	-304.701	0
GK-54	TS	N	AP	AC-36	132kv CHILLAKALLU LINE at KODADA	KODADA	0	0
GM-32	TS	N	AP	AC-33	132kv CHILLAKALLU LINE at MADHIRA	MADHIRA	-5.614	0
GR-01	TS	N	AP	AC-37	132kv CHILLAKALLU LINE at RAMPURAM	RAMPURAM	244.153	0
GS-60	TS	N	AP	AK-61	400kv KURNOOL LINE at Srisailam LB	SRISAILEM LB	4229.091	0
GS-61	TS	N	AP	AS-14	400KV SATTENAPALLI LINE 1 AT SRISAILAM LB	SRISAILEM LB	0	0
GS-62	TS	N	AP	AS-15	400KV SATTENAPALLI LINE 2 AT SRISAILAM LB	SRISAILEM LB	-5560.728	0
GS-63	TS	N	AP	AC-38	132kv CHILLAKALLU LINE at SEETHAPURAM	SEETHAPURAM	546.91	0.073
GS-64	TS	N	AP	AK-52	132kv KCP CEMENTS LINE at SEETHAPURAM	SEETHAPURAM	-48.726	0
GS-65	TS	N	AP	AS-11	220KV SRISAILAM RB LINE AT NSagaR	NSAGAR -TS (220kv)	-2144.039	0
GS-66	TS	N	AP	AR-11	132KV NSagaR RIGHT CANAL LINE AT NSagaR	NSAGAR -TS (220kv)	3221.64	0
GS-67	TS	N	AP	AC-31	220KV CHILLAKALLU LINE-1 AT SURYAPETA	SURYAPETA(220kv)	2160.96	0

GS-68	TS	N	AP	AK-73	400KV KAMAVARAPUKOTA LINE-1 AT SURYAPETA	SURYAPETA(400kv)	-11028.352	0
GS-69	TS	N	AP	AK-74	400KV KAMAVARAPUKOTA LINE-2 AT SURYAPETA	SURYAPETA(400kv)	-387.671	0
GS-70	TS	N	AP	AV-63	400KV VTPS LINE 2 AT SURYAPETA	SURYAPETA(400kv)	2914.205	0
GT-60	TS	N	AP	AT-11	220KV TALAPALLI LINE 3 AT NSagaR	NSAGAR -TS (220kv)	-1799.519	0
GT-61	TS	N	AP	AT-12	220KV TALAPALLI LINE 1 AT NSagaR	NSAGAR -TS (220kv)	-3015.363	0
GT-63	TS	N	AP	AT-13	220KV TALAPALLI LINE 2 AT NSagaR	NSAGAR -TS (220kv)	-3436.48	0
GW-01	TS	N	AP	AB-10	220kv BRAHMANAKOTKUR LINE at WANAPARTHY	WARNAPARTHY	-942.4	0
GW-10	TS	N	AP	AT-67	132kv TANGEDA LINE at WADAPALLI	WADAPALLI	-77.04	0
KK-02	KL	N	KA	CK-01	220KV KADAKOLA LINE AT KANIAMPETA	KANIANPETA	-374.4	-52.641
KK-03	KL	N	KA	CK-02	110KV KONAJE LINE AT MANJESWARAM	MANJESWARAM	0	42.641
KK-04	KL	N	TN	TT-50	220KV THENI LINE AT MOOZHIYAR	MOOZHIYAR	-771.839	0
KK-05	KL	N	TN	TK-40	110KV KUZHITHURAI LINE AT PARASALA	PARASALA	-0.44	-71.56
KP-51	KL	N	PO	PP-13	MAHE LINE-1 AT PANOOR	PANOOR	0	86.81
KP-52	KL	N	PO	PP-14	MAHE LINE-2 AT PANOOR	PANOOR	0	68.83
KP-53	KL	N	TN	TU-21	220 KV UDUMALPET LINE 1 AT PALLIVASAL	PALLIVASAL	-6953.6	-0.162
PP-13	PO	N	KL	KP-51	110KV PANOOR LINE-1 AT MAHE	MAHE	0	-100.495
PP-14	PO	N	KL	KP-52	110KV PANOOR LINE-2 AT MAHE	MAHE	0	-73.28
PY-01	PO	N	AP	AK-50	132kv KAKINADA LINE AT YANAM	YANAM	-3.936	-101.232
TG-01	TN	N	AP	AS-01	230KV SULURPET LINE AT GUMMIDIPONDI	GUMMIDIPONDI	0	19.194
TH-30	TN	N	KA	CY-01	230KV YERANDAHALLI LINE AT HOSUR (TN)	HOSUR230	15.305	959.345
TK-40	TN	N	KL	KK-05	110KV PARASALA LINE AT KUZHITHURAI	KUZHITHURAI	0.51	67.98
TT-50	TN	N	KL	KK-04	230KV MOOZHIYAR LINE AT THENI	THENI	0	-606.828
TT-51	TN	N	AP	AC-14	230KV CHITTOOR LINE AT THIRUVALAM	TIRUVALEM 230	0	-2445.736
TU-21	TN	N	KL	KP-53	230kv IDUKKI LINE AT UDUMALPET (TNEB) LILOED at PALLIVASAL	UDUMALPET230	1073.891	126.584