



सत्यमेव जयते

भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
पूर्वी क्षेत्रीय विद्युत समिति

**Eastern Regional Power Committee**

14, गोल्फ क्लब रोड, टॉलीगंज, कोलकाता-700033  
14 Golf Club Road, Tollygunj, Kolkata-700033



वसुधैव कुटुम्बकम्  
ONE EARTH - ONE FAMILY - ONE FUTURE



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NO: ERPC/COMM/VARH/2023/ 1040

Date: 02.11.2023

To: As per List / संलग्न सूची के अनुसार

Sub: **Reactive Energy Charges for the weeks 02.10.2023-08.10.2023 and 09.10.2023-15.10.2023.**

विषय: सप्ताह 02.10.2023-08.10.2023 और 09.10.2023-15.10.2023 के लिए प्रतिक्रियाशील ऊर्जा शुल्क।

The statement of Reactive Energy charges with payable / receivable particulars with Pool for the above mentioned period has been prepared in line with CERC IEGC Regulation-2023 and Reactive Energy Accounting Methodology approved in the Special Commercial Sub-Committee Meeting of ERPC held on 17.10.2023. *The last installment of data for the subjected period has been received from ERLDC on 30.10.2023.*

The constituents are requested to make payments to the Pool account operated by ERLDC within 10 days of the billing date. In case of delayed payment against these bills beyond 12 days, the defaulting constituents shall have to pay simple interest @ 0.04 % for each day of delay.

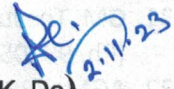
Observations, if any, and the payment status of the bills may be intimated to ERPC Secretariat.

यदि कोई अवलोकन हो एवं बिलों के भुगतान की स्थिति को ERPC सचिवालय में सूचित किया जा सकता है।

**This issues with the approval of Member Secretary.**

भवदीय/Yours faithfully,

Encl: As above/ संलग्न यथोपरी

  
(P. K. De) 2.11.23

**SUPERINTENDING ENGINEER**

## List of Addressee

1. CE (Trans/O&M), BSPTCL, Vidyut Bhavan, Bailey Road, Patna-21. (Fax 0612-2504557)
2. ESE (Interstate), BSPHCL, Vidyut Bhavan, 3<sup>rd</sup> Floor, Bailey Road, Patna-800 021.
3. CE (Comml & Revenue), JBVNL, Engineering Building, H.E.C. Township, Dhurva, Ranchi-834004,
4. GM-cum-CE (Trans), JUSNL, Kusai Colony, Duranda, Ranchi, Jharkhand (Fax:0651-2490486)
5. CE (Comml), DVC, DVC Towers, VIP Road, Kolkata-700 054. (Fax: 033-23552129)
6. CE (SLDC), DVC, P.O.: Danesh Seikh Lane, Andul Road, Howrah - 71110 9. FAX-033-2688-5094
7. Sr. GM(PP), GRIDCO, 4<sup>th</sup> floor, Vidyut Bhawan, Janpath, Bhubaneswar-22.
8. Sr. GM (PS), OPTCL, SLDC Bldg, PO Mancheswar Rly Colony, Bhubaneswar-17,
9. Sr. General Manager(Finance), OPGC, Odisha ( Fax: 06645 222225 )
10. CE (Trans.), Energy & Power Deptt., Govt. of Sikkim, Gangtok.-737 101
11. CE (SLDC), WBSETCL, PO. Danesh Sheikh Lane, Howrah-109. (Fax: 033-26886232)
12. Chief (Finance), NHPC Ltd, Sector-33, Faridabad-121003 (Fax: 0129-2254668)
13. ED (Comml), NHPC Ltd, Sector-33, Faridabad-121003 (Fax No. 0129-2254668)
14. AGM (Comml), NTPC Ltd, Loknayak Jaiprakash Bhawan, 2<sup>nd</sup> floor, Dak Banglow Chowk, Fraser Road, Patna-800 001.
15. GM (Comml), NTPC Ltd, 7 Institutional Area, Lodhi Road, New Delhi-3
16. AGH (Comml), Maithon Power Ltd, MA-5, Gonga, PO: Maithon Dam-828207
17. DGM (Electrical), APNRL, P.O. kandra, Behind 400kV PGCIL S/s, Tata-Kandra road, Dist: Saraikela, Kharsanwa ( Jharkhand) – 832 105
18. AGM(Comml.), ER-I, Powergrid, Patna ( Fax: 0612 2227630 )
19. AGM(Comml.), ER-II, Powergrid, Kolkata (Fax NO. 033 2357 2827)
20. AGM(E&M), GATI Infrastructure Ltd., Sundung, Rongli, East Sikkim, Sikkim-737131(Fax: 08066885455)
21. ED, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata-33 (Fax: 033-24235809)
22. ED, NRLDC, 18A, Shaheed JSS Marg, Katwaria Sarai, New Delhi-110 016. (Fax:011-26852747)
23. GM, SRLDC, 29 Race Course Road, Bangalore-560009 (Fax : 080-22268725).
24. GM, WRLDC, MIDC Area, Marol, Andheri (E), Mumbai-490093 (Fax: 022-28235434)
25. GM, NERLDC, Dongtieg, Lower Nongrah, Laplang, Shillong-793006 (Fax:0364-2537470)
26. GM(Power Sales), GMRKEL, Plot no 29, Satya Nagar, Bhubaneswar- 751 007(Fax: 0674- 2572794)
27. Head(Power Sales), JITPL, Local shopping centre, Sector-B1, Vasant kunj, New Delhi- 110 070
28. AGM, SO, NVVN, SCOPE Complex, Core-5, 1st & 2nd Floor, Lodhi Road, New Delhi-110003
29. Head(Commercial), TPTCL, Tata Power Co Ltd, B12 & 13, 2<sup>nd</sup> Floor, Shatabdi Bhawan, Sector 4, NOIDA – 201 301
30. ED, DANS Energy Pvt Ltd, 5<sup>th</sup> Floor, Building no.8, Tower-C, DLF Cyber City, Phase-II, GURGAON – 122 002
31. GM, Teesta Urja Limited, 2nd Floor, Vijaya Building. 17, Barakhamba Road. New Delhi – 110001 (Ph. 9810519283; 011- 46529600/46529700)
32. AGM, BRBCL, Nabinagar, Aurangabad BIHAR
33. Director, Shiga Energy Pvt. Ltd., 5th Floor, DLF Building No. 8, Tower-C, DLF Cyber City, Phase-II, Gurgaon – 122002
34. CEO, Sneha Kinetic Power Projects Pvt.Ltd. #31 -A, National Highway, Behind SNOD building,. Deorali, Gangtok, Sikkim-737102
35. ED(Commercial), PTC india Limited, 2<sup>nd</sup> Floor NBCC Tower, Bikaji Cama Palace, New Delhi-110066
36. GM, Rongnichu HEP, Madhya Bharat Power Corporation Limited, Sikkim-737102

**Eastern Regional Power Committee, Kolkata**

Reactive Energy (VArH) Charge Statement

for the period : 02-10-2023 to 08-10-2023

**A. REACTIVE ENERGY CHARGE PAYMENT WITH THE POOL**

Sr.No.	Regional Entity	Amount Payable to Pool (Rs.)	Amount Receivable from Pool (Rs.)
1	JITPL	0	9600
2	DARLIPALI	0	350
3	HVDC ALIPURDUAR	1265	0
4	MPL	0	0
5	NVVN-BANGLADESH	0	655
6	MTPS	0	242120
7	APNRL	0	72835
8	NPGC	0	0
9	NVVN-NEPAL	0	7420
10	BRBCL	0	3780
11	JORETHANG HEP	0	365
12	CHUZACHEN	370	0
13	FSTPP	0	135345
14	TUL	0	0
15	RONGNICHU HEP	530	0
16	THEP	0	960
17	NKSTPP	64310	0
18	KHSTPP	0	930450
19	DIKCHU	0	135
20	RANGIT	0	43335
21	BARH	0	418695
22	EAST CENTRAL RAILWAY	0	25670
23	TSTPP	0	0
24	TEESTA	0	0
25	HVDC SASARAM	1210	0
26	GMRKEL	0	4620
27	BSPHCL	251645	0
28	JUVNL	802460	0
29	DVC	0	346185
30	GRIDCO	0	256740
31	SIKKIM	0	21000
32	WBSETCL	0	112275
-	<b>Total</b>	<b>1121790</b>	<b>2632535</b>

Note:

- a) Reactive Energy Charge calculation is done as per Regulation 39(11) and Annexure-4 of IEGC-2023
- b) Reactive Energy Accounting Methodology as per IEGC 2023 w.e.f 02.10.2023 approved in the Special Commercial Sub-Committee Meeting of ERPC held on 17.10.2023
- c) Rate of Reactive Energy Charge has been considered @ 5 paise/KVArH,w.e.f. 02/10/2023
- d) For reactive energy, (+) means injection and (-) means drawal with respect to Regional Entity.
- e) For reactive energy charge, (+) means receivable by the utility and (-) means payable by the Regional Entity.

B. DETAILED REACTIVE ENERGY EXCHANGES OF THE REGIONAL ENTITY WITH THE POOL

for the period : 02-10-2023 to 08-10-2023

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/H (Rs)	NET REACTIVE CHARGE (Rs.)
1	APNRL	ER-1220-A	400 KV JAMSHEDPUR(PG)-APNRL-II	-164.4	8220	0	0	8220
2	-	ER-2254-A	400 KV JAMSHEDPUR(PG)-APNRL-I	-1292.3	64615	0	0	64615
-	-	-	Total	-	72835	-	0	72835

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/H (Rs)	NET REACTIVE CHARGE (Rs.)
1	BARH	ER-2133-A	400 KV BARH(NTPC)-PATNA(PG)-2	-1042.8	52140	0	0	52140
2	-	ER-2137-A	400 KV BARH(NTPC)-PATNA(PG)-3	-41.5	2075	0	0	2075
3	-	ER-2138-A	400 KV BARH(NTPC)-PATNA(PG)-4	-70.9	3545	0	0	3545
4	-	ER-2140-A	400 KV BARH(NTPC)-PATNA(PG)-1	-	146945	0	0	146945
5	-	ER-2141-A	400 KV BARH(NTPC)-MOTIHARI(DMTCL) LINE-2	-1913.6	95680	0	0	95680
6	-	ER-2234-A	400 KV BARH(NTPC)-KAHALGAON(NTPC)-I	0	0	0	0	0
7	-	ER-2235-A	400 KV BARH(NTPC)-KAHALGAON(NTPC)-II	-2366.2	118310	0	0	118310
8	-	ER-2236-A	400 KV BARH(NTPC)-MOTIHARI(DMTCL) LINE-1	0	0	0	0	0
-	-	-	Total	-	418695	-	0	418695

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/H (Rs)	NET REACTIVE CHARGE (Rs.)
1	BRBCL	ER-1421-A	400 KV NABI NAGAR-SASARAM(PG)-1	-75.6	3780	0	0	3780
2	-	ER-1830-A	400 KV NABI NAGAR-SASARAM(PG)-2	0	0	0	0	0
-	-	-	Total	-	3780	-	0	3780

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/H (Rs)	NET REACTIVE CHARGE (Rs.)
1	BSPHCL	ER-1154-A	220 KV KISHANGANJ(PG)-KISHANGANJ(BSPHCL)-IV	1775.1	-88755	0	0	-88755
2	-	ER-1159-A	220 KV KISHANGANJ(PG)-KISHANGANJ(BSPHCL)-III	1868.4	-93420	0	0	-93420
3	-	ER-1175-A	220 KV PURNEA(PG)-MADHEPURA(BSPHCL) LINE-I	1582	-79100	0	0	-79100
4	-	ER-1176-A	220 KV PURNEA(PG)-MADHEPURA(BSPHCL) LINE-II	1594.3	-79715	0	0	-79715
5	-	ER-1226-A	220 KV MUZAFFARPUR(PG)-HAJIPIUR(BSPHCL) LINE-I	-1025.7	51285	0	0	51285
6	-	ER-1228-A	220 KV MUZAFFARPUR(PG)-HAJIPIUR(BSPHCL) LINE-II	-1026.2	51310	0	0	51310
7	-	ER-1231-A	HV side of 400/220 Patna ICT-3	134.9	-6745	0	0	-6745
8	-	ER-1243-A	400 KV HV SIDE OF 200 MVA MOTIHARI(DMTCL) ICT-2	-20.1	1005	0	0	1005
9	-	ER-1247-A	400 KV HV SIDE OF 200 MVA MOTIHARI(DMTCL) ICT-1	-24	1200	0	0	1200
10	-	ER-1274-A	HV side of 400/220 Darbhanga DMTCL ICT-1	0	0	0	0	0
11	-	ER-1275-A	HV side of 400/220 Darbhanga DMTCL ICT-2	0	0	0	0	0
12	-	ER-1296-A	220 KV KISHANGANJ(PG)-KISHANGANJ(BSPHCL)-II	1681.7	-84085	0	0	-84085
13	-	ER-1305-A	220 KV DUMRAON NEW(BSPHCL)-ARA(PG) LINE-1	44.1	-2205	-16.2	-810	-3015
14	-	ER-1309-A	400 KV SIDE OF LAKHISARAI(PG) 315 MVA 400/132 ICT-3	0.2	-10	0	0	-10
15	-	ER-1310-A	220 KV NADHOKHAR(BSPHCL)-PUSAULI(PG) LINE-1	958.7	-47935	0	0	-47935
16	-	ER-1312-A	220 KV side of 220/132 Arah ICT-1	-0.2	10	-0.2	-10	0
17	-	ER-1332-A	220 KV SIDE OF 220/132 ARA 160 MVA ICT-3	4.7	235	0	0	235
18	-	ER-1347-A	400 KV SIDE BANKA 400/132 200 MVA ICT-2	0	0	0	0	0
19	-	ER-1348-A	220 KV NEW PURNEA(PG)-BEGUSARAI(BSPHCL)-I	1432	-71600	0	0	-71600
20	-	ER-1349-A	400 KV SIDE BANKA 400/132 200 MVA ICT-1	0	0	0	0	0
21	-	ER-1355-A	220 KV SIDE OF 220/132 160 MVA NEW PURNEA ICT-1	-722.2	36110	0	0	36110
22	-	ER-1358-A	220 KV SIDE OF 220/132 160 MVA NEW PURNEA ICT-2	-915.9	45795	0	0	45795
23	-	ER-1362-A	400 KV SIDE BANKA(PG) 400/132 KV 315 MVA ICT-3	0	0	0	0	0
24	-	ER-1376-A	220 KV NEW PURNEA(PG)-KHAGARIA(BSPHCL)	1101.8	-55090	0	0	-55090
25	-	ER-1386-A	HV side of 400/220 KV Biharsharif(PG) ICT-4	-0.4	20	-0.7	-35	-15
26	-	ER-1395-A	400 KV SIDE OF CHANDAUTI(PG) 500 MVA ICT-1	0	0	0	0	0
27	-	ER-1407-A	HV side of 400/220 Patna ICT-2	139.5	-6975	0	0	-6975
28	-	ER-1411-A	400 KV SIDE GAYA 400/220 500 MVA ICT-1	0	0	0	0	0
29	-	ER-1419-A	400 KV SIDE GAYA 400/220 500 MVA ICT-2	0	0	0	0	0
30	-	ER-1436-A	220 KV SIDE OF 220/132 160 MVA NEW PURNEA ICT-3	0	0	0	0	0
31	-	ER-1442-A	400 KV SIDE OF 400/220 500 MVA GAYA(PG) ICT-3	0	0	0	0	0
32	-	ER-1788-A	220 KV KISHANGANJ(PG)-KISHANGANJ(BSPHCL)-I	1683	-84150	0	0	-84150
33	-	ER-1806-A	400KV SIDE OF SAHARSHA(PMTL) 400/220/33 KV 500 MVA ICT-1	1815.2	-90760	0	0	-90760
34	-	ER-1816-A	400 KV SIDE OF SITAMARHI(PMTL) 500MVA 400/220/33KV ICT-1	14.2	-710	0	0	-710
35	-	ER-1819-A	400 KV HV SIDE OF 315 MVA MOTIHARI(DMTCL) ICT-3	-15.3	765	0	0	765
36	-	ER-1823-A	400KV SIDE OF SAHARSHA(PMTL) 400/220/33 KV 500 MVA ICT-2	1762.8	-88140	0	0	-88140
37	-	ER-1829-A	220 KV NAUBATPUR(BGCL) - ARAH(PG) LINE-1	-70.7	3535	0	0	3535
38	-	ER-1848-A	400 KV NAUBATPUR(BGCL)-PATNA(PG)-2	1240.1	-62005	0	0	-62005
39	-	ER-1866-A	220 KV DUMRAON NEW(BSPHCL)-ARA (PG)-2	43	-2150	-16.5	-825	-2975
40	-	ER-1871-A	220 KV NAUBATPUR(BGCL) - ARAH(PG) LINE-2	-67	3350	0	0	3350
41	-	ER-1873-A	400 KV SIDE OF LAKHISARAI 200 MVA 400/132 ICT-2	-0.4	20	0	0	20
42	-	ER-1875-A	400 KV SIDE OF SITAMARHI(PMTL) 500MVA 400/220/33KV ICT-2	8.7	-435	0	0	-435
43	-	ER-1879-A	400 KV NAUBATPUR(BGCL)-PATNA(PG)-1	1170.3	-58515	0	0	-58515
44	-	ER-1882-A	220 KV side of 220/132 Arah ICT-2	-0.1	5	-0.2	-10	-5
45	-	ER-1922-A	HV side of 400/220 Patna ICT-1	298.9	-14945	0	0	-14945
46	-	ER-1933-A	400 KV SIDE OF CHANDAUTI(PG) 500 MVA ICT-2	0	0	0	0	0
47	-	ER-1934-A	400 KV SIDE OF CHANDAUTI(PG) 500 MVA ICT-3	0	0	0	0	0
48	-	ER-1941-A	400 KV JAKKANPUR(BGCL)-PATNA(PG)-1	-696.7	34835	0	0	34835
49	-	ER-1942-A	400 KV JAKKANPUR(BGCL)-PATNA(PG)-2	-239.1	11455	0	0	11455
50	-	ER-1943-A	400 KV JAKKANPUR(BGCL)-NABINAGAR(NPGC)-1	192	-9600	0	0	-9600
51	-	ER-1944-A	400 KV JAKKANPUR(BGCL)-NABINAGAR(NPGC)-2	369.5	-18475	0	0	-18475
52	-	ER-1945-A	220 KV MUZAFFARPUR(PG)-GORAULI(BSPHCL)-2	-103.4	5170	0	0	5170
53	-	ER-1950-A	220 KV MUZAFFARPUR(PG)-GORAULI(BSPHCL)-1	0	0	0	0	0
54	-	ER-2143-A	220 KV MUZAFFARPUR(PG)-AMNOUR(BSPHCL)-1	0	0	0	0	0
55	-	ER-2144-A	220 KV MUZAFFARPUR(PG)-AMNOUR(BSPHCL)-2	-1866.9	93345	0	0	93345
56	-	ER-2153-A	132 KV KHALGAON(BSPHCL) - LALMATIA(JSEB)	0	0	0	0	0
57	-	ER-2206-A	400 KV SIDE OF LAKHISARAI 200 MVA 400/132 ICT-1	-0.7	35	0	0	35
58	-	ER-2269-A	132 KV SONENAGAR(BSPHCL) - NAGARJUNTAJI(JSEB)	0.1	-5	0	0	-5
59	-	ER-2274-A	132 KV SONENAGAR (BSPHCL) - JAPLA (JSEB)	-2.3	115	0	0	115
60	-	NP-5844-A	220 KV BIHARSHARIF (BSPHCL) - TENUGHAT (JSEB)	-6352.5	317625	0	0	317625
61	-	NP-6063-A	400 KV SIDE OF BIHARSARIF (PG) 400/220 KV ICT-1	-1628.2	81410	0	0	81410
62	-	NP-6068-A	400 KV SIDE OF BIHARSARIF (PG) 400/220 KV ICT-3	-2397.6	119880	0	0	119880
63	-	NP-6069-A	400 KV SIDE OF BIHARSARIF (PG) 400/220 KV ICT-2	-1.1	55	0	0	55
64	-	NP-6085-A	132 KV BAISI(BSPHCL) - DALKHOLA (WBSETCL)	-287.2	14360	0	0	14360
65	-	NP-6092-A	220 KV PUSAULI(PG)-KARAMNASHA NEW(BSPHCL)	2385	-119250	0	0	-119250
66	-	NP-6093-A	220 KV PUSAULI (PG) - DEHRI (BSPHCL)	-1399.4	69970	0	0	69970
67	-	NP-6094-A	132 KV PUSAULI(PG)-MOHANIA(BSPHCL)	5	-250	1.5	75	-175
68	-	NP-6095-A	132 KV PUSAULI(PG)-KUDRA(BSPHCL)	-4.2	2120	0.2	-10	2130
69	-	NP-7400-A	132 KV SULTANGANI (BSPHCL) - DEOGARHI (JSEB)	0	0	-1.2	-60	-60
70	-	NP-8665-A	220 KV NADHOKHAR(BSPHCL)-PUSAULI (PG)-2	599.5	-29975	0	0	-29975
-	-	-	Total	-	-249980	-	-1665	-251645

Sr.No.	BENF.	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAh (Rs)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs)	NET REACTIVE CHARGE (Rs.)
1	CHUZACHEN	ER-1468-A	132 KV RANGPO(PG)-CHUZACHEN(GAT)-1	0	350	0	0	0
2	-	ER-1618-A	132 KV RANGPO(PG)-CHUZACHEN(GAT) LINE-2	7.4	-370	0	0	-370
-	-	-	Total	-	-370	-	0	-370

Sr.No.	BENF.	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAh (Rs)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs)	NET REACTIVE CHARGE (Rs.)
1	DARLIPALI	ER-1091-A	765 KV DARLIPALI(NTPC)-SUNDERGARH(PG)-2	-7	350	0	0	350
2	-	ER-1094-A	765 KV DARLIPALI(NTPC)-SUNDERGARH(PG)-1	0	0	0	0	0
3	-	ER-2053-A	33 KV DARLIPALI(NTPC) - DULANGA CMP(OCP)-2	0	0	0	0	0
4	-	ER-2054-A	33 KV DARLIPALI(NTPC) - DULANGA CMP(OCP)-1	0	0	0	0	0
-	-	-	Total	-	350	-	0	350

Sr.No.	BENF.	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAh (Rs)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs)	NET REACTIVE CHARGE (Rs.)
1	DIKCHU	ER-2003-A	400 KV DIKCHU-TEESTA-III	3.6	180	0	0	180
2	-	ER-2021-A	400 KV DIKCHU-RANGPO(PG)	0.9	-45	0	0	-45
-	-	-	Total	-	135	-	0	135

Sr.No.	BENF.	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAh (Rs)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs)	NET REACTIVE CHARGE (Rs.)
1	DVC	ER-1147-A	220 KV MAITHON (PG) - DHANBAD (DVC) -II	190	-9500	0	0	-9500
2	-	ER-1255-A	400 KV RTPS(DVC)-RANCHI(PG)-2(MAIN)	-1869.1	93455	0	0	93455
3	-	ER-1267-A	400 KV RTPS(DVC)-RANCHI(PG)-3(MAIN)	-135.3	6765	-93.8	-4690	2075
4	-	ER-1656-A	400KV MEJIA(DVC) - JAMSHEDPUR(PG)	-504.7	25235	0	0	25235
5	-	ER-1668-A	220 KV MAITHON (PG) - DHANBAD (DVC) -I	74.2	-3710	0	0	-3710
6	-	ER-1711-A	220 KV MAITHON (PG) - KALYANESWARI (DVC) -I	-603.6	30180	0	0	30180
7	-	ER-1717-A	220 KV MAITHON (PG) - KALYANESWARI (DVC) -II	-1188	59400	0	0	59400
8	-	ER-1796-A	221 KV RANCHI(PG)-MTPS(DVC)	1385.7	-69285	0	0	-69285
9	-	ER-1798-A	220 KV RANCHI(PG)-RAMGARH(DVC)	-341.8	17090	0	0	17090
10	-	ER-1808-A	400 KV TATA JAMSHEDPUR (DVC) - BARIKAPADA(PG)	-3033.1	151655	0	0	151655
11	-	ER-2042-A	400 KV KODERMA(DVC) - BIHARSHARIFF(PG)-LINE-I	0	0	0	0	0
12	-	ER-2044-A	400 KV DSTPS(DVC)-JAMSHEDPUR(PG)-II(MAIN)	-321.4	16070	0	0	16070
13	-	ER-2046-A	400 KV DSTPS(DVC)-JAMSHEDPUR(PG)-II(MAIN)	-202.2	10110	0	0	10110
14	-	ER-2082-A	220 KV JAMSHEDPUR (DVC) - JINDAL(GRIDCO)	-1091.9	54595	0	0	54595
15	-	ER-2086-A	400 KV MEJIA(DVC)-MAITHON(PG)	-1446.4	72320	0	0	72320
16	-	ER-2087-A	400 KV TATA JAMSHEDPUR (DVC) - JAMSHEDPUR (PG)	4538.6	-226930	0	0	-226930
17	-	ER-2102-A	220 KV WARIA (DVC) - BIDHANNAGAR (WBSETCL)-2	0	0	0	0	0
18	-	ER-2118-A	220 KV WARIA (DVC) - BIDHANNAGAR (WBSETCL)-1	0	0	0	0	0
19	-	ER-2128-A	400 KV KODERMA(DVC) - BIHARSHARIFF(PG)-LINE-II	0	0	0	0	0
20	-	ER-2129-A	400 KV KODERMA(DVC) - Gaya(PG)-I	0	0	0	0	0
21	-	ER-2130-A	400 KV KODERMA(DVC) - Gaya(PG)-II	0	0	0	0	0
22	-	ER-2612-A	220 KV DURGAPUR (PG) - PARULLA (DVC) -I	-114.2	5710	0	0	5710
23	-	ER-2614-A	220 KV DURGAPUR (PG) - PARULLA (DVC) -II	-1080.4	54020	0	0	54020
24	-	ER-2658-A	400 KV RTPS(DVC)-RANCHI(PG)	0	0	0	0	0
25	-	ER-2682-A	400 KV RTPS(DVC)-MAITHON(PG)	416	-20800	0	0	-20800
26	-	ER-2732-A	400 KV MEJIA(DVC)-MAITHON(PG) LINE-I	-1472.8	73640	0	0	73640
27	-	ER-2733-A	400 KV MEJIA(DVC)-MAITHON(PG) LINE-II	-1475.7	73785	0	0	73785
28	-	NP-6006-B	132 KV PATRATU (DVC)-PATRATU(JSEB)-1&2(SUM)	0	0	-0.1	-5	-5
29	-	NP-6558-B	132 KV KOLAGHAT (DVC) - KOLAGHAT (WBSETCL)	0	0	0	0	0
30	-	NP-8604-B	132 KV MAITHON (DVC) - JAMTARA (JSEB)	1258.5	-62925	0	0	-62925
31	-	NP-8605-B	132 KV MANIQUE (DVC) - CHANDIL (JSEB)	0	0	0	0	0
-	-	-	Total	-	350880	-	-4695	346185

Sr.No.	BENF.	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAh (Rs)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs)	NET REACTIVE CHARGE (Rs.)
1	EAST CENTRAL RAILWAY	ER-2246-A	220 KV PUSAULI(PG)-DURGAWATI(DFCIL)-1	-330.3	16515	0	0	16515
2	-	ER-2247-A	220 KV PUSAULI(PG)-DURGAWATI(DFCIL)-2	-183.1	9155	0	0	9155
-	-	-	Total	-	25670	-	0	25670

Sr.No.	BENF.	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAh (Rs)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs)	NET REACTIVE CHARGE (Rs.)
1	FSTPP	ER-1513-A	400 KV FARAKKA(NTPC)-BERHAMPURE(PG)-1	0	0	0	0	0
2	-	ER-1516-A	400 KV FARAKKA(NTPC)-BERHAMPURE(PG)-2	0	0	0	0	0
3	-	ER-1706-A	400 KV FARAKKA(NTPC)-RAJARHAT(PG)	0	0	0	0	0
4	-	ER-2029-A	400 KV FARAKKA (NTPC)-MALDA (PG) -1	0	0	0	0	0
5	-	ER-2030-A	400 KV FARAKKA (NTPC)-MALDA (PG) -2	-116.4	5820	0	0	5820
6	-	ER-2031-A	400 KV FARAKKA (NTPC)-KAHALGAON (NTPC)-1	-224.7	11235	0	0	11235
7	-	ER-2032-A	400 KV FARAKKA(NTPC)-NEW PURNEA(PG)	0	0	0	0	0
8	-	ER-2107-A	400 KV FARAKKA (NTPC)-SAGARDIGHI(WB)-2	-202.9	10145	0	0	10145
9	-	ER-2112-A	400 KV FARAKKA (NTPC)-SAGARDIGHI(WB)-1	-1126.6	56330	0	0	56330
10	-	ER-2639-A	220 KV FARAKKA (NTPC)-LALMATIA (JSEB)	0	0	0	0	0
11	-	ER-2711-A	400 KV FARAKKA (NTPC)-KAHALGAON (NTPC)-2	-1036.3	51815	0	0	51815
-	-	-	Total	-	135345	-	0	135345

Sr.No.	BENF.	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAh (Rs)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs)	NET REACTIVE CHARGE (Rs.)
1	GMRKEL	NP-8780-A	400 KV ANGUL(PG)-GMR LINE-1	-56.7	2835	0	0	2835
2	-	NP-8785-A	400 KV ANGUL(PG)-GMR LINE-2	-35.7	1785	0	0	1785
-	-	-	Total	-	4620	-	0	4620

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/Lt (Rs)	NET REACTIVE CHARGE (Rs.)
1	GRIDCO	ER-1054-A	400 KV MERAMUNDALI (GRIDCO)-BOLANGIR(PG)	0	0	0	0	0
2		ER-1055-A	400 KV MERAMUNDALI (GRIDCO)-TSTPP(INTPC)-2	0	0	0	0	0
3		ER-1058-A	400KV SUNDERGARH(PG)-STERLUTE(GRIDCO)-II	-13	650	0	0	650
4		ER-1059-A	400KV SUNDERGARH(PG)-STERLUTE(GRIDCO)-I	-10.2	510	0	0	510
5		ER-1117-A	400 KV SUNDERGARH(PG)-OPGC-1	-1030.5	51525	0	0	51525
6		ER-1119-A	400 KV SUNDERGARH(PG)-OPGC-2	-1042.9	52145	0	0	52145
7		ER-1553-A	HV side meter of 400/220 Baripada ICT-1	-20.2	1010	0	0	1010
8		ER-1563-A	400 KV SIDE OF ROURKELA (PG) 400/220 KV ICT-1 AND ICT-3	0	0	0	0	0
9		ER-1565-A	400 KV SIDE OF ROURKELA (PG) 400/220 KV ICT-2 AND ICT-4	0	0	0	0	0
10		ER-1571-A	HV side meter of 400/220 Jeyapore ICT-2	2183.2	-109160	0	0	-109160
11		ER-1575-A	HV side meter of 400/220 Bolangir-ICT-1	0	0	0	0	0
12		ER-1582-A	HV side meter of 400/220 Bolangir-ICT-2	0	0	0	0	0
13		ER-1583-A	HV side of 400/220 Pandiabili ICT-1	2.2	-110	0	0	-110
14		ER-1587-A	HV side meter of 400/220 KV Keonjhar ICT-2	0	0	0	0	0
15		ER-1589-A	HV side meter of 400/220 KV Keonjhar ICT-1	0	0	0	0	0
16		ER-1595-A	HV side meter of 400/220 Rengali ICT-2	0	0	0	0	0
17		ER-1598-A	HV side meter of 400/220 Rengali ICT-1	0	0	0	0	0
18		ER-1746-A	HV side meter of 400/220 Baripada ICT-2	0	0	0	0	0
19		ER-1747-A	HV side meter of 400/220 Baripada ICT-3	0	0	0	0	0
20		ER-1758-A	400 KV MERAMUNDALI(GRIDCO)-TSTPP(INTPC)	0	0	0	0	0
21		ER-1759-A	400 KV INDRAVATI (PG) - INDRAVATI P/H	3606.9	-180345	0	0	-180345
22		ER-1776-A	HV side of 400/220 Pandiabili ICT-2	0.7	-35	0	0	-35
23		ER-1897-A	400 KV DUBURI(GRIDCO)-PANDIABILI(PG)	-721.1	36055	0	0	36055
24		ER-1900-A	400 KV DUBURI (GRIDCO)-BARIPADA(PG)	-2432.7	121635	0	0	121635
25		ER-1992-A	220 KV JODA (GRIDCO)-RAMCHANDRAPUR (JSEB)	29.7	-1485	0	0	-1485
26		ER-2058-A	33 KV DARLIPALLI(INTPC) - DULANGA CMP/OCP/L-1	0	0	0	0	0
27		ER-2062-A	400 KV SIDE OF JEYPORE (PG) 400/220 KV ICT-1 AND ICT-3	2999.4	-149970	0	0	-149970
28		ER-2066-A	220 KV JINDAL (GRIDCO)-JAMSHEDPUR (DVC)	-1288.7	64435	0	0	64435
29		ER-2071-A	400 KV MENDHASAL (GRIDCO)-PANDIABILI(PG)-II	-4.4	220	0	0	220
30		ER-2072-A	400 KV MENDHASAL (GRIDCO)-PANDIABILI(PG)-I	-1.5	75	0	0	75
31		ER-2074-A	132 KV JODA (GRIDCO)-KENDPOSI (JSEB)	33.7	-1685	0	0	-1685
32		NP-5101-A	220 KV TSTPP (INTPC) - MERAMUNDALI (GRIDCO)-2	622.6	-31130	0	0	-31130
33		NP-5102-A	220 KV TSTPP (INTPC) - RENGALI HPS (GRIDCO)	-1180	59000	0	0	59000
34		NP-5103-A	220 KV TSTPP (INTPC) - TTPS (GRIDCO)	-4264.6	213230	0	0	213230
35		NP-5112-A	220 KV TSTPP (INTPC) - MERAMUNDALI (GRIDCO)-1	-2603.4	130170	0	0	130170
-	-	-	Total	-	256740	-	0	256740

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/Lt (Rs)	NET REACTIVE CHARGE (Rs.)
1	HVDC ALIPURDUAR	ER-1104-A	33 KV SIDE OF 400/220 ALIPURDUAR(PG) ICT-1	13.2	-660	0	0	-660
2		ER-1146-A	33 KV SIDE OF 400/220 ALIPURDUAR(PG) ICT-2	12.1	-605	0	0	-605
-	-	-	Total	-	-1265	-	0	-1265

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/Lt (Rs)	NET REACTIVE CHARGE (Rs.)
1	HVDC SASARAM	NP-6016-B	415 V SIDE OF 11/0.415 PUSAULI(PG) 63 KVA(ST LIGHT) T/F -1	0	0	0	0	0
2		NP-8646-A	33 KV SIDE OF 33/0.415 PUSAULI(PG) TERT TRF(PG)-1	23.9	-1195	0	0	-1195
3		NP-8692-A	33 KV SIDE OF 33/0.415 2.5 MVA PUSAULI TRF TRF-2	0	0	0	0	0
4		NP-8693-A	33 KV SIDE OF 33/0.415 2.5 MVA PUSAULI HVDC TRF-2	0.3	-15	0	0	-15
-	-	-	Total	-	-1210	-	0	-1210

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/Lt (Rs)	NET REACTIVE CHARGE (Rs.)
1	JITPL	ER-1085-A	400 KV ANGUL(PG)-JITPL LINE-1	-72	3600	0	0	3600
2		ER-1087-A	400 KV ANGUL(PG)-JITPL LINE-2	-120	6000	0	0	6000
-	-	-	Total	-	9600	-	0	9600

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/Lt (Rs)	NET REACTIVE CHARGE (Rs.)
1	JORETHANG HEP	ER-1461-A	220 KV NEW MELLI(PG)-JORETHANG(JLHEP)-2	-3.8	190	0	0	190
2		ER-1470-A	220 KV NEW MELLI(PG)-JORETHANG(JLHEP)-1	-3.5	175	0	0	175
-	-	-	Total	-	365	-	0	365

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/Lt (Rs)	NET REACTIVE CHARGE (Rs.)
1	JUVNL	ER-1197-A	HV side meter of 400/220 Daltonganj ICT-1	0	0	0	0	0
2		ER-1221-A	400 KV RANCHI NEW(PG)-PATRATU NEW(JUVNL) LINE-1	287.2	-14360	0	0	-14360
3		ER-1230-A	400 KV RANCHI NEW(PG)-PATRATU NEW(JUVNL) LINE-2	246.5	-12325	0	0	-12325
4		ER-1252-A	221 KV RANCHI(PG)-HATIA(JUVNL)-II	1939.5	-96975	0	0	-96975
5		ER-1297-A	HV side meter of 400/220 Jamshedpur ICT- 3	809.7	40485	0	0	40485
6		ER-1317-A	HV side meter of 400/220 Daltonganj ICT-2	0	0	0	0	0
7		ER-1364-A	132 KV DEOGARH (JSEB) - SULTANGANI (BSPHCL)	0	0	0	0	0
8		ER-1859-A	132 KV NAGARJUNTARI(JSEB) - SONENAGAR(BSEB)	-1.7	85	0	0	85
9		ER-1861-A	132 KV JAPLA(JSEB) - SONENAGAR (BSPHCL)	13.1	-655	-0.1	-5	-660
10		ER-1864-A	132 KV KENDIPOSI(JSEB)-JODA(GRIDCO) TRANSFER BUS	-0.1	5	0	0	5
11		ER-1865-A	132 KV KENDIPOSI (JSEB) - JODA (GRIDCO)	0	0	0	0	0
12		ER-1928-A	400 KV SIDE OF CHAIBASA(PG) 315 MVA 400/220 ICT-2	0	0	0	0	0
13		ER-2142-A	400 KV SIDE OF CHAIBASA(PG) 315 MVA 400/220 ICT-1	0	0	0	0	0
14		ER-2149-A	132 KV CHANDIL (JSEB) - MANIQUE (DVC)	0	0	0	0	0
15		ER-2177-A	132 KV JAMTARA (JSEB) - MAITHON (DVC)	-83.4	4170	0	0	4170
16		ER-2205-A	220 KV CHANDIL (JSEB) - SANTALDIH (WBSETCL)	-171.6	8580	0	0	8580
17		NP-5874-A	223 KV RANCHI(PG)-CHANDIL(JUVNL)	2684.5	-134225	0	0	-134225
18		NP-5879-A	220 KV RANCHI(PG)-HATIA(JUVNL)-I	2189.9	-109495	0	0	-109495
19		NP-6005-B	132 KV PATRATU (JSEB) - PATRATU (DVC) -2	0	0	0	0	0
20		NP-6102-A	220 KV RAMCHANDRAPUR (JSEB) - JODA (GRIDCO)	-885	44250	0	0	44250
21		NP-6105-A	HV side meter of 400/220 Jamshedpur ICT-2	-2142.4	107120	0	0	107120
22		NP-6106-A	HV side meter of 400/220 Jamshedpur ICT-1	-1572.6	78630	0	0	78630
23		NP-6107-A	132 KV LALMATIA (JSEB) - KAHALGAON (BSPHCL)	0	0	0	0	0
24		NP-6115-A	220 KV TENUGHAT (JSEB) - BIHARSHARIFF (BSPHCL)	1662.4	-83120	0	0	-83120
25		NP-7880-A	222 KV RANCHI(PG)-HATIA(JUVNL)-III	2104.1	-105205	0	0	-105205
26		NP-8610-B	132 KV PATRATU (JSEB) - PATRATU (DVC) -1	0	0	0	0	0
27		NP-8727-A	220 KV MAITHON(PG) - DUMKA(JUVNL) - I	4675.6	-233780	0	0	-233780
28		NP-8739-A	220 KV MAITHON(PG) - DUMKA(JUVNL) - II	5912.8	-295640	0	0	-295640
-	-	-	Total	-	-802455	-	5	-802450

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	KHSTPP	ER-1858-A	400 KV KAHALGAON-DURGAPUR-1	-141.1	7055	0	0	7055
2		ER-1860-A	400 KV KAHALGAON-DURGAPUR-2	0	0	0	0	0
3		ER-2161-A	132 KV KAHALGAON(NTPC)-KAHALGAON (BSPHCL)	243.4	-12170	0	0	-12170
4		ER-2162-A	132 KV KAHALGAON (NTPC)-SABOURA (BSPHCL)	0	0	20.7	1035	1035
5		ER-2164-A	132 KV KAHALGAON (NTPC)-LALMATIA (USEB)	-363.2	18160	0	0	18160
6		NP-5117-A	400 KV KAHALGAON-BANKA-2	117.1	-5855	0	0	-5855
7		NP-5245-A	400 KV KAHALGAON-BANKA-1	128.7	-6435	0	0	-6435
8		NP-5246-A	400 KV KAHALGAON (NTPC)-LAKHISARAI(PG)-1	-1517.8	75890	0	0	75890
9		NP-5247-A	400 KV KAHALGAON (NTPC)-MAITHON (PG)-1	-338.9	16945	0	0	16945
10		NP-5254-A	400 KV KAHALGAON (NTPC)-FARAKKA(NTPC)-2	148.8	7440	0	0	7440
11		NP-5257-A	400 KV KAHALGAON (NTPC)-MAITHON (PG)-2	-493.8	24690	0	0	24690
12		NP-5258-A	400 KV KAHALGAON (NTPC)-FARAKKA(NTPC)-1	-136.4	6820	0	0	6820
13		NP-5266-A	400 KV KAHALGAON-BARH-II	-15170.2	758510	0	0	758510
14		NP-5269-A	400 KV KAHALGAON-BARH-I	0	0	0	0	0
15		NP-8676-A	400 KV KAHALGAON (NTPC)-LAKHISARAI(PG)-2	-767.3	38365	0	0	38365
-	-	-	Total	-	929415	-	1035	930450

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	MPL	ER-1122-A	400 KV MAITHON RB(MPL)-MAITHON(PG)-1	0	0	0	0	0
2		ER-1123-A	400 KV MAITHON RB(MPL)-MAITHON(PG)-2	0	0	0	0	0
3		ER-1124-A	400 KV MAITHON RB(MPL)-DHANBAD(NKTL)-I	0	0	0	0	0
4		ER-2113-A	400 KV MAITHON RB(MPL)-DHANBAD(NKTL)-II	0	0	0	0	0
-	-	-	Total	-	0	-	0	0

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	MTPS	ER-1161-A	220 KV KBUNL(MTPS) STG-II-SAMASTIPUR NEW(BSPHCL)-2	-128	6400	0	0	6400
2		ER-1164-A	220 KV KBUNL(MTPS) STG-II-GOPALGANJ(BSPHCL)-2	937.4	-46870	0	0	-46870
3		ER-1168-A	220 KV SIDE OF IBT-3 OF KBUNL(MTPS) STG-I	-75.9	3795	0	0	3795
4		ER-1169-A	220 KV SIDE OF IBT-2 OF KBUNL(MTPS) STG-I	37.4	-1870	0	0	-1870
5		ER-1188-A	220 KV SIDE OF IBT-1 OF KBUNL(MTPS) STG-I	38.3	-1915	0	0	-1915
6		ER-1238-A	220 KV KBUNL(MTPS) STG-II-GOPALGANJ(BSPHCL)-1	1204	-60200	0	0	-60200
7		ER-1387-A	220 KV KBUNL(MTPS) STG-II-MOTIPUR(BSPHCL)-2	2682.4	-134120	0	0	-134120
8		ER-1838-A	220 KV KBUNL(MTPS) STG-II-MOTIPUR(BSPHCL)-1	2804	-140200	0	0	-140200
9		ER-1887-A	220 KV KANTI (BSPHCL)-MUZAFFARPUR (PG)-1	-6016.3	300815	0	0	300815
10		ER-1890-A	220 KV KANTI (BSPHCL)-MUZAFFARPUR (PG)-2	-6325.7	316285	0	0	316285
11		ER-1891-A	220 KV KBUNL(MTPS) STG-II-SAMASTIPUR NEW(BSPHCL)-1	0	0	0	0	0
-	-	-	Total	-	242120	-	0	242120

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	NKSTPP	ER-1781-A	400 KV NORTH KARANPURA(NTPC)-CHANDWA(PG)-1(MAIN)	580.3	-29015	0	0	-29015
2		ER-1783-A	400 KV NORTH KARANPURA(NTPC)-CHANDWA(PG)-2(MAIN)	705.9	-35295	0	0	-35295
-	-	-	Total	-	-64310	-	0	-64310

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	NPGC	ER-1328-A	400 KV NPGC-CHANDAUT(PG)-1	0	0	0	0	0
2		ER-1365-A	400 KV NPGC-CHANDAUT(PG)-2	0	0	0	0	0
3		ER-1954-A	400 KV NPGC-JAKKANPUR(PG)-1	0	0	0	0	0
4		ER-1956-A	400 KV NPGC-JAKKANPUR(PG)-2	0	0	0	0	0
-	-	-	Total	-	0	-	0	0

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	NVW-BANGLADESH	ER-1135-A	400 KV BERHAMPURE(PG)-BHERAMARA(BNGLADESH)LINE-1	0	0	0	0	0
2		ER-1634-A	400 KV BERHAMPURE(PG)-BHERAMARA(BNGLADESH)LINE-3	0	0	0	0	0
3		ER-2010-A	400 KV BERHAMPURE(PG)-BHERAMARA(BNGLADESH)LINE-4	0	0	0	0	0
4		ER-2108-A	400 KV BERHAMPURE(PG)-BHERAMARA(BNGLADESH)LINE-2	-13.1	655	0	0	655
-	-	-	Total	-	655	-	0	655

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	NVW-NEPAL	ER-1361-A	400 KV MUZAFFARPUR(PG)-DHALKEBAR(NEPAL)-2(MAIN)	-47.3	2365	0	0	2365
2		ER-1935-A	400 KV MUZAFFARPUR(PG)-DHALKEBAR(NEPAL)-1(MAIN)	-101.1	5055	0	0	5055
-	-	-	Total	-	7420	-	0	7420

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	RANGIT	ER-2100-A	132 KV RANGIT (NHPC) - KURSEONG(WBSETCL)	-435.7	21785	0	0	21785
2		ER-2714-A	132 KV RANGIT (NHPC) - RAMMAM (WBSETCL)	-80.2	4010	0	0	4010
3		ER-2716-A	132 KV RANGIT (NHPC) - RANGPO (PG)	-357.7	17885	0	0	17885
4		ER-2718-A	132 KV RANGIT (NHPC) - SAGBARI (SIKKIM)	6.1	-305	0	0	-305
5		ER-2738-A	66 KV RANGIT (NHPC) - RAVANGLA (SIKKIM)	0.8	-40	0	0	-40
-	-	-	Total	-	43335	-	0	43335

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	RONGNICHU HEP	ER-1607-A	220 KV RANGPO(PG)-RONGNICHU(MBPL) CKT-1(MAIN)	4.8	-240	0	0	-240
2		ER-1608-A	220 KV RANGPO(PG)-RONGNICHU(MBPL) CKT-2(MAIN)	5.8	-290	0	0	-290
-	-	-	Total	-	-530	-	0	-530

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	SIKKIM	ER-1489-A	132 KV SIDE OF GANGTOK 132/66 KV ICT-II	-11.2	560	0	0	560
2		ER-1490-A	132 KV SIDE OF GANGTOK 132/66 KV ICT-I	-11.1	555	0	0	555
3		ER-2124-A	66 KV MELLI (SIKKIM) -KALIMPONG (WBSETCL)	0	0	0	0	0
4		NP-8770-A	132 KV MELLI (SIKKIM) -RANGPO (PG)	-94.9	4745	0	0	4745
5		NP-8771-A	132 KV MELLI (SIKKIM) -SILIGURI (PG)	-302.8	15140	0	0	15140
-	-	-	Total	-	21000	-	0	21000

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	TEESTA	ER-2667-A	400 KV TEESTA-RANGPO-1	0	0	0	0	0
2		ER-2669-A	400 KV TEESTA-RANGPO-2	0	0	0	0	0
-	-	-	Total	-	0	-	0	0

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	THEP	ER-1654-A	220 KV NEW MELLI(PG)-TASHIDING-1	-0.2	450	0	0	450
2		ER-1655-A	220 KV NEW MELLI(PG)-TASHIDING(SIKHA) LINE	-10.2	510	0	0	510
-	-	-	Total	-	960	-	0	960

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	TSTPP	ER-2606-A	400 KV TALCHER (NTPC)-MERAMUNDALI(GRIDCO)-2	0	0	0	0	0
2		ER-2673-A	400 KV TALCHER (NTPC) - ROURKELA (PG) -1	0	0	0	0	0
3		NP-5084-A	400 KV TALCHER (NTPC) - ROURKELA (PG) -2	0	0	0	0	0
4		NP-5085-A	400 KV TALCHER (NTPC) - RENGALI (PG) -1	0	0	0	0	0
5		NP-5106-A	400 KV TALCHER (NTPC) - RENGALI (PG) -2	0	0	0	0	0
6		NP-5108-A	400 KV SIDE OF TALCHER(NTPC) 315MVA 400/220KV ATR-1	0	0	0	0	0
7		NP-5109-A	400 KV SIDE OF TALCHER(NTPC) 315MVA 400/220KV ATR-2	0	0	0	0	0
8		NP-5970-A	400 KV TALCHER (NTPC)-MERAMUNDALI(GRIDCO)-1	0	0	0	0	0
-	-	-	Total	-	0	-	0	0

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	TUL	ER-1547-A	400 KV TEESTA-III - DICKCHU	0	0	0	0	0
2		ER-1549-A	400 KV TEESTA-III - KISHANGANJ(PG)	0	0	0	0	0
-	-	-	Total	-	0	-	0	0

Sr.No.	BENF.	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs)	NET REACTIVE CHARGE (Rs.)
1	WBSETCL	ER-1040-A	400 KV PPSP NEW(WB)-RANCHI NEW(PG)-I	2156.7	-107835	0	0	-107835
2		ER-1043-A	400 KV KHARAGPUR (WBSETCL)-BARIPADA (PG)	45.8	-2290	0	0	-2290
3		ER-1044-A	220 KV ALPURDUAR(PG)-ALPURDUAR(WB)-I	120.6	-6030	0	0	-6030
4		ER-1047-A	220 KV ALPURDUAR(PG)-ALPURDUAR(WB)-II	3.2	-160	0	0	-160
5		ER-1071-A	220 KV DALKHOLA(PG)-DALKHOLA(WBSETCL)LINE-I	-789.1	39455	0	0	39455
6		ER-1072-A	220 KV DALKHOLA(PG)-DALKHOLA(WBSETCL)LINE-II	-174.6	8730	0	0	8730
7		ER-1080-A	132 KV SILIGURI (PG) - NJP(WBSETCL)	87.2	-4360	0	0	-4360
8		ER-1083-A	220 KV BIDHANNAGAR (WBSETCL) - WARIA (DVC)-2	0	0	0	0	0
9		ER-1130-A	400 KV PPSP NEW(WB)-RANCHI NEW(PG)-II	0	0	0	0	0
10		ER-1131-A	400 KV SAGARDIGHI(WB)-FARAKKA(NTPC)-II	0	0	0	0	0
11		ER-1133-A	400 KV GOKARNA(WB)-RAJARHAT(PG)	-52.4	2620	0	0	2620
12		ER-1138-A	400 KV GOKARNA(WB)-PURNEA(PG)	-8.7	435	0	0	435
13		ER-1141-A	400 KV SUBHASHGRAM(PG)-HALDIA CESC(WB) LINE-I	123.3	-6165	0	0	-6165
14		ER-1466-A	220 KV SIDE OF 220/132 MALDA 160 MVA ICT-1	0	0	0	0	0
15		ER-1471-A	400 KV JEERAT (WBSETCL) - RAJARAHAT(PG)	0	0	-82.1	-4105	-4105
16		ER-1477-A	400 KV JEERAT(PG) - SUBHASHGRAM (PG)	-8	400	0	0	400
17		ER-1482-A	220 KV SIDE OF BIRPARA 220/132 160 MVA ICT-1	-1752.8	87640	0	0	87640
18		ER-1483-A	400 KV SIDE OF 400/220 KV 315 MVA SUBHASHGRAM ICT-2	95.3	-4765	0	0	-4765
19		ER-1484-A	400 KV SIDE OF 400/220 KV 500 MVA SUBHASHGRAM ICT-5	173.4	-8670	0	0	-8670
20		ER-1485-A	220 KV SIDE OF BIRPARA 220/132 160 MVA ICT-2	0	0	0	0	0
21		ER-1486-A	400 KV SIDE OF 400/220 KV 315 MVA SUBHASHGRAM ICT-3	109.7	-5485	0	0	-5485
22		ER-1512-A	220 KV SIDE OF 220/132 MALDA 160 MVA ICT-2	-3001.6	150080	0	0	150080
23		ER-1526-A	HV side of 400/220 KV RAJARAHAT(PG) ICT-1	180.3	-9015	0	0	-9015
24		ER-1534-A	400 KV SIDE OF 400/220 KV 315 MVA SUBHASHGRAM ICT-1	156.5	-7825	0	0	-7825
25		ER-1537-A	400 KV SIDE OF 400/220 KV 315 MVA SUBHASHGRAM ICT-4	113.9	-5695	0	0	-5695
26		ER-1637-A	400 KV DURGAPUR(PG) - SAGARDIGHI(WBSETCL)-II	164.4	-8220	0	0	-8220
27		ER-1639-A	220 KV SIDE OF 50 MVA MALDA(PG) 220/132 ICT-4	-2248.9	112445	0	0	112445
28		ER-1650-A	400 KV SIDE OF RAJARAHAT(PG) 400/220 500 MVA ICT-2	164	-8200	0	0	-8200
29		ER-1675-A	132 KV SILIGURI (PG) - NBU (WBSETCL)	-255.8	12790	0	0	12790
30		ER-1679-A	400 KV SUBHASHGRAM(PG)-HALDIA CESC(WB) LINE-II	-5.1	255	0	0	255
31		ER-1683-A	765 KV SIDE OF MEDINIPUR(PG) 765/400KV 1500 MVA ICT-1	0	0	0	0	0
32		ER-1685-A	765 KV SIDE OF MEDINIPUR(PG) 765/400KV 1500 MVA ICT-2	0	0	0	0	0
33		ER-1693-A	220 KV GAZOLE(WB)-MALDA(PG)-1	2419.7	-120985	0	0	-120985
34		ER-1739-A	220 KV BINAGURI (PG) - JALPAIGURI (WBSETCL)-I	936.7	-46835	0	0	-46835
35		ER-1981-A	400 KV SAGARDIGHI(WB) - FARAKKA (NTPC)-I(MAIN)	-7.3	365	0	0	365
36		ER-1986-A	132 KV RAJMAAM (WBSETCL) - RANGIT (NHPC)	52.2	-2660	0	0	-2660
37		ER-2012-A	400 KV SAGARDIGHI(WB)-BERHAMPORE(PG) LINE-II	0	0	0	0	0
38		ER-2015-A	400 KV KHARAGPUR(WB)-CHAIBASA(PG)-I	-260.2	13010	0	0	13010
39		ER-2016-A	400 KV KHARAGPUR(WB)-CHAIBASA(PG)-II	-162.2	8110	0	0	8110
40		ER-2017-A	400 KV SAGARDIGHI(WB)-BERHAMPORE(PG) LINE-I	0	0	0	0	0
41		ER-2038-A	66 KV KALIMPONG (WBSETCL) - MELLI (SIKKIM)	-23.2	1160	0	0	1160
42		ER-2039-A	220 KV BINAGURI (PG) - JALPAIGURI(WBSETCL)-II	451.7	-22585	0	0	-22585
43		ER-2041-A	220 KV SANTALDIH (WBSETCL) - CHANDILJSEB)	-1280.4	64020	0	0	64020
44		ER-2045-A	220 KV GAZOLE(WB)-DALKHOLA(PG)-2	-1426.3	71315	0	0	71315
45		ER-2096-A	132 KV KURSEONG(WBSETCL)-SILIGURI(NHPC)	-153.4	7670	0	0	7670
46		ER-2101-A	400 KV JEERATI(WB)-NEW JEERATI(PMUTU) CKT-1	73.1	-3655	0	0	-3655
47		ER-2103-A	401 KV JEERATI(WB)-NEW JEERATI(PMUTU) CKT-2	132	-6600	0	0	-6600
48		ER-2109-A	400 KV DURGAPUR(PG) - BIDHANNAGAR(WBSETCL)-I	317.1	-15855	0	0	-15855
49		ER-2111-A	400 KV DURGAPUR (PG) - BIDHANNAGAR(WBSETCL)-II	141.1	-7055	0	0	-7055
50		ER-2122-A	132 KV KURSEONG(WBSETCL)-RANGIT(NHPC)	-56.4	2820	0	0	2820
51		ER-2125-A	220 KV GAZOLE(WB)-DALKHOLA(PG)-1	-1433.9	71695	0	0	71695
52		ER-2617-A	400 KV DURGAPUR(PG) - SAGARDIGHI(WBSETCL)-I	88	-4400	0	0	-4400
53		ER-2687-A	132 KV DALKHOLA (WBSETCL)-BAISH(BSPHCL)	6	-300	0	0	-300
54		ER-2723-A	220 KV GAZOLE(WB)-MALDA(PG)-2	2459.8	-122990	0	0	-122990
55		NP-6484-A	220 KV BIDHANNAGAR (WBSETCL)-WARIA(DVC)-1	0	0	0	0	0
-	-	-	Total	-	116380	-	-4105	112275



**Eastern Regional Power Committee, Kolkata**

**Reactive Energy (VArH) Charge Statement**

for the period : 09-10-2023 to 15-10-2023

**A. REACTIVE ENERGY CHARGE PAYMENT WITH THE POOL**

<b>Sr.No.</b>	<b>Regional Entity</b>	<b>Amount Payable to Pool (Rs.)</b>	<b>Amount Receivable to Pool (Rs.)</b>
1	JITPL	0	24940
2	DARLIPALI	0	179365
3	HVDC ALIPURDUAR	2090	0
4	MPL	0	0
5	NVVN-BANGLADESH	545	0
6	MTPS	0	118660
7	APNRL	0	14290
8	NPGC	0	0
9	NVVN-NEPAL	0	0
10	BRBCL	0	180
11	JORETHANG HEP	0	145
12	CHUZACHEN	0	210
13	FSTPP	0	29145
14	TUL	0	0
15	RONGNICHU HEP	195	0
16	THEP	430	0
17	NKSTPP	23015	0
18	KHSTPP	0	779325
19	DIKCHU	0	0
20	RANGIT	0	38965
21	BARH	0	3980
22	EAST CENTRAL RAILWAY	0	3885
23	TSTPP	0	0
24	TEESTA	0	0
25	HVDC SASARAM	0	0
26	GMRKEL	21160	0
27	BSPHCL	0	139190
28	JUVNL	482860	0
29	DVC	23340	0
30	GRIDCO	0	390980
31	SIKKIM	0	21900
32	WBSETCL	0	44285
-		<b>553635</b>	<b>1789445</b>

Note:

- Reactive Energy Charge calculation is done as per Regulation 39(11) and Annexure-4 of IEGC-2023
- Reactive Energy Accounting Methodology as per IEGC 2023 w.e.f 02.10.2023 approved in the Special Commercial Sub-Committee Meeting of ERPC held on 17.10.2023
- Rate of Reactive Energy Charge has been considered @ 5 paise/KVArH,w.e.f. 02/10/2023
- For reactive energy, (+) means injection and (-) means drawal with respect to Regional Entity.
- For reactive energy charge, (+) means receivable by the utility and (-) means payable by the Regional Entity.

8. DETAILED REACTIVE ENERGY EXCHANGES OF THE REGIONAL ENTITY WITH THE POOL

for the period : 09-10-2023 to 15-10-2023

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs)	MVAH LOW	REACTIVE CHARGE MVAH (Rs)	NET REACTIVE CHARGE (Rs.)
1	APNRL	ER-1220-A	400 KV JAMSHEDPUR(PG)-APNRL-II	-0.7	35	0	0	35
2	-	ER-2254-A	400 KV JAMSHEDPUR(PG)-APNRL-I	-285.1	14255	0	0	14255
-	-	-	Total	-	14290	-	0	14290

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs)	MVAH LOW	REACTIVE CHARGE MVAH (Rs)	NET REACTIVE CHARGE (Rs.)
1	BARH	ER-2133-A	400 KV BARH(NTPC)-PATNA(PG)-2	0	0	0	0	0
2	-	ER-2137-A	400 KV BARH(NTPC)-PATNA(PG)-3	0	0	0	0	0
3	-	ER-2138-A	400 KV BARH(NTPC)-PATNA(PG)-4	0	0	0	0	0
4	-	ER-2140-A	400 KV BARH(NTPC)-PATNA(PG)-1	-79.6	3980	0	0	3980
5	-	ER-2141-A	400 KV BARH(NTPC)-MOTIHARI(DMTCL) LINE-2	0	0	0	0	0
6	-	ER-2234-A	400 KV BARH(NTPC)-KAHALGAON(NTPC)-I	0	0	0	0	0
7	-	ER-2235-A	400 KV BARH(NTPC)-KAHALGAON(NTPC)-II	0	0	0	0	0
8	-	ER-2236-A	400 KV BARH(NTPC)-MOTIHARI(DMTCL) LINE-1	0	0	0	0	0
-	-	-	Total	-	3980	-	0	3980

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs)	MVAH LOW	REACTIVE CHARGE MVAH (Rs)	NET REACTIVE CHARGE (Rs.)
1	BRBCL	ER-1421-A	400 KV NABI NAGAR-SASARAM(PG)-1	-3.6	180	0	0	180
2	-	ER-1830-A	400 KV NABI NAGAR-SASARAM(PG)-2	0	0	0	0	0
-	-	-	Total	-	180	-	0	180

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs)	MVAH LOW	REACTIVE CHARGE MVAH (Rs)	NET REACTIVE CHARGE (Rs.)
1	BSPHCL	ER-1154-A	220 KV KISHANGANJ(PG)-KISHANGANJ(BSPHCL)-IV	682.9	-34145	0	0	-34145
2	-	ER-1159-A	220 KV KISHANGANJ(PG)-KISHANGANJ(BSPHCL)-III	724.7	-36235	0	0	-36235
3	-	ER-1175-A	220 KV PURNEA(PG)-MADHEPURA(BSPHCL) LINE-I	990	-49500	0	0	-49500
4	-	ER-1176-A	220 KV PURNEA(PG)-MADHEPURA(BSPHCL) LINE-II	971.4	-48570	0	0	-48570
5	-	ER-1226-A	220 KV MUZAFFARPUR(PG)-HAJIPUR(BSPHCL) LINE-I	-1518.2	75910	0	0	75910
6	-	ER-1228-A	220 KV MUZAFFARPUR(PG)-HAJIPUR(BSPHCL) LINE-II	-1112.1	55605	0	0	55605
7	-	ER-1231-A	HV side of 400/220 Patna ICT-3	0	0	0	0	0
8	-	ER-1243-A	400 KV HV SIDE OF 200 MVA MOTIHARI(DMTCL) ICT-2	0	0	0	0	0
9	-	ER-1247-A	400 KV HV SIDE OF 200 MVA MOTIHARI(DMTCL) ICT-1	0	0	0	0	0
10	-	ER-1274-A	HV side of 400/220 Darbhanga DMTCL ICT-1	0	0	-0.4	-20	-20
11	-	ER-1275-A	HV side of 400/220 Darbhanga DMTCL ICT-2	0	0	0	0	0
12	-	ER-1296-A	220 KV KISHANGANJ(PG)-KISHANGANJ(BSPHCL)-II	633.3	-31665	0	0	-31665
13	-	ER-1305-A	220 KV DUMRAON NEW(BSPHCL)-ARA(PG) LINE-1	0	0	0	0	0
14	-	ER-1309-A	400 KV SIDE OF LAKHISARAI(PG) 315 MVA 400/132 ICT-3	0	0	0	0	0
15	-	ER-1310-A	220 KV NADHOKHAR(BSPHCL)-PUSAULI(PG) LINE-1	-416	20800	0	0	20800
16	-	ER-1312-A	220 KV side of 220/132 Arah ICT-1	0	0	0	0	0
17	-	ER-1313-A	220 KV SIDE OF 220/132 ARA 160 MVA ICT-3	0	0	0	0	0
18	-	ER-1347-A	400 KV SIDE BANKA 400/132 200 MVA ICT-2	0	0	0	0	0
19	-	ER-1348-A	220 KV NEW PURNEA(PG)-BEGUSARAI(BSPHCL)-1	1034.2	-51710	0	0	-51710
20	-	ER-1349-A	400 KV SIDE BANKA 400/132 200 MVA ICT-1	0	0	0	0	0
21	-	ER-1355-A	220 KV SIDE OF 220/132 160 MVA NEW PURNEA ICT-1	-337.6	16880	0	0	16880
22	-	ER-1358-A	220 KV SIDE OF 220/132 160 MVA NEW PURNEA ICT-2	-476.1	23805	0	0	23805
23	-	ER-1362-A	400 KV SIDE BANKA(PG) 400/132 KV 315 MVA ICT-3	0	0	0	0	0
24	-	ER-1376-A	220 KV NEW PURNEA(PG)-KHAGARIA(BSPHCL)	709.6	-35480	0	0	-35480
25	-	ER-1386-A	HV side of 400/220 KV Biharsharif(PG) ICT-4	0	0	0	0	0
26	-	ER-1395-A	400 KV SIDE OF CHANDAUTI(PG) 500 MVA ICT-1	0	0	0	0	0
27	-	ER-1407-A	HV side of 400/220 Patna ICT-2	0	0	0	0	0
28	-	ER-1411-A	400 KV SIDE GAYA 400/220 500 MVA ICT-1	0	0	0	0	0
29	-	ER-1419-A	400 KV SIDE GAYA 400/220 500 MVA ICT-2	0	0	0	0	0
30	-	ER-1436-A	220 KV SIDE OF 220/132 160 MVA NEW PURNEA ICT-3	-327.1	16355	0	0	16355
31	-	ER-1442-A	400 KV SIDE OF 400/220 500 MVA GAYA(PG) ICT-3	0	0	0	0	0
32	-	ER-1788-A	220 KV KISHANGANJ(PG)-KISHANGANJ(BSPHCL)-I	647.3	-32365	0	0	-32365
33	-	ER-1806-A	400KV SIDE OF SAHARSHAPMTL 400/220/33 KV 500 MVA ICT-1	18.6	-930	0	0	-930
34	-	ER-1816-A	400 KV SIDE OF SITAMARHI(PMTL) 500MVA 400/220/33KV ICT-1	0	0	0	0	0
35	-	ER-1819-A	400 KV HV SIDE OF 315 MVA MOTIHARI(DMTCL) ICT-3	0	0	0	0	0
36	-	ER-1823-A	400KV SIDE OF SAHARSHAPMTL 400/220/33 kv 500 MVA ICT-2	12	-600	0	0	-600
37	-	ER-1829-A	220 KV NAUBATPUR(BGCL)-ARAH(PG) LINE-1	0	0	0	0	0
38	-	ER-1848-A	400 KV NAUBATPUR(BGCL)-PATNA(PG)-2	0	0	0	0	0
39	-	ER-1866-A	220 KV DUMRAON NEW(BSPHCL)-ARA (PG)-2	0	0	0	0	0
40	-	ER-1871-A	220 KV NAUBATPUR(BGCL)-ARAH(PG) LINE-2	0	0	0	0	0
41	-	ER-1873-A	400 KV SIDE OF LAKHISARAI 200 MVA 400/132 ICT-2	0	0	0	0	0
42	-	ER-1875-A	400 KV SIDE OF SITAMARHI(PMTL) 500MVA 400/220/33KV ICT-2	0	0	0	0	0
43	-	ER-1879-A	400 KV NAUBATPUR(BGCL)-PATNA(PG)-1	0	0	0	0	0
44	-	ER-1882-A	220 KV side of 220/132 Arah ICT-2	0	0	0	0	0
45	-	ER-1922-A	HV side of 400/220 Patna ICT-1	0	0	0	0	0
46	-	ER-1933-A	400 KV SIDE OF CHANDAUTI(PG) 500 MVA ICT-2	0	0	0	0	0
47	-	ER-1934-A	400 KV SIDE OF CHANDAUTI(PG) 500 MVA ICT-3	0	0	0	0	0
48	-	ER-1941-A	400 KV JAKKANPUR(BGCL)-PATNA(PG)-1	0	0	0	0	0
49	-	ER-1942-A	400 KV JAKKANPUR(BGCL)-PATNA(PG)-2	0	0	0	0	0
50	-	ER-1943-A	400 KV JAKKANPUR(BGCL)-NABINAGAR(NPGCL)-1	0	0	0	0	0
51	-	ER-1944-A	400 KV JAKKANPUR(BGCL)-NABINAGAR(NPGCL)-2	0	0	0	0	0
52	-	ER-1945-A	220 KV MUZAFFARPUR(PG)-GORAULI(BSPHCL)-2	1277.2	-63860	0	0	-63860
53	-	ER-1950-A	220 KV MUZAFFARPUR(PG)-GORAULI(BSPHCL)-1	0	0	0	0	0
54	-	ER-2143-A	220 KV MUZAFFARPUR(PG)-AMNDURI(BSPHCL)-1	0	0	0	0	0
55	-	ER-2144-A	220 KV MUZAFFARPUR(PG)-AMNDURI(BSPHCL)-2	-229.5	111475	0	0	111475
56	-	ER-2153-A	132 KV KHALGAON(BSPHCL)-LALMATIA(ISEB)	0	0	0	0	0
57	-	ER-2206-A	400 KV SIDE OF LAKHISARAI 200 MVA 400/132 ICT-1	0	0	0	0	0
58	-	ER-2269-A	132 KV SONENAGAR(BSPHCL)-NAGARUNTARI(ISEB)	0	0	0.1	5	5
59	-	ER-2274-A	132 KV SONENAGAR (BSPHCL)-JAPLA (ISEB)	0	0	2	100	100
60	-	NP-5844-A	220 KV BIHARSHARIF (BSPHCL)-TENUGHAT (ISEB)	-3094.3	154715	0	0	154715
61	-	NP-6063-A	400 KV SIDE OF BIHARSARIF (PG) 400/220 KV ICT-1	0	0	0	0	0
62	-	NP-6068-A	400 KV SIDE OF BIHARSARIF (PG) 400/220 KV ICT-3	0	0	0	0	0
63	-	NP-6069-A	400 KV SIDE OF BIHARSARIF (PG) 400/220 KV ICT-2	0	0	0	0	0
64	-	NP-6085-A	132 KV BAISI(BSPHCL)-DALKHOLA (WBSETCL)	-271.8	13590	0	0	13590
65	-	NP-6092-A	220 KV PUSAULI(PG)-KARAMNASHA NEW(BSPHCL)	282.9	-14145	0	0	-14145
66	-	NP-6093-A	220 KV PUSAULI (PG)-DEHRI (BSPHCL)	-581	29050	0	0	29050
67	-	NP-6094-A	132 KV PUSAULI(PG)-MOHANAI(BSPHCL)	0	0	69.7	3485	3485
68	-	NP-6095-A	132 KV PUSAULI(PG)-KUDRA(BSPHCL)	0	0	-16	-800	-800
69	-	NP-7400-A	132 KV SULTANGANJ (BSPHCL)-DEOGARH (ISEB)	0	0	-10.4	-520	-520
70	-	NP-8665-A	220 KV NADHOKHAR(BSPHCL)-PUSAULI (PG)-2	-359.2	17960	0	0	17960
-	-	-	Total	-	136940	-	2250	139190

Sr.No.	Regional Entity	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs.)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs.)	NET REACTIVE CHARGE (Rs.)
1	CHUZACHEN	ER-1468-A	132 KV RANGPOI(PG)-CHUZACHEN(GATI)-1	0	0	0	0	0
2	-	ER-1618-A	132 KV RANGPOI(PG)-CHUZACHEN(GATI) LINE-2	-4.2	210	0	0	210
-	-	-	Total	-	210	-	0	210

Sr.No.	Regional Entity	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs.)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs.)	NET REACTIVE CHARGE (Rs.)
1	DARLIPALI	ER-1091-A	765 KV DARLIPALI(NTPC)-SUNDERGARHP(GI)-2	0	105225	0	0	105225
2	-	ER-1094-A	765 KV DARLIPALI(NTPC)-SUNDERGARHP(GI)-1	-1482.8	74140	0	0	74140
3	-	ER-2055-A	33 KV DARLIPALINTPCI - DULANGA CM/POCPL-2	0	0	0	0	0
4	-	ER-2054-A	33 KV DARLIPALINTPCI - DULANGA CM/POCPL-1	0	0	0	0	0
-	-	-	Total	-	179365	-	0	179365

Sr.No.	Regional Entity	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs.)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs.)	NET REACTIVE CHARGE (Rs.)
1	DIKCHU	ER-2003-A	400 KV DIKCHU-TEESTA-III	0	0	0	0	0
2	-	ER-2021-A	400 KV DIKCHU-RANGPOI(PG)	0	0	0	0	0
-	-	-	Total	-	0	-	0	0

Sr.No.	Regional Entity	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs.)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs.)	NET REACTIVE CHARGE (Rs.)
1	DVC	ER-1147-A	220 KV MAITHON (PG) - DHANBAD (DVC) -II	0	0	0	0	0
2	-	ER-1255-A	400 KV RTPSIDVCI-RANCHI(PG)-2(MAIN)	-155.7	7785	0	0	7785
3	-	ER-1267-A	400 KV RTPSIDVCI-RANCHI(PG)-3(MAIN)	0	0	0	0	0
4	-	ER-1656-A	400KV MEJIA(DVC) - JAMSHEDPUR(PG)	0	0	0	0	0
5	-	ER-1668-A	220 KV MAITHON (PG) - DHANBAD (DVC) -I	0	0	0	0	0
6	-	ER-1711-A	220 KV MAITHON (PG) - KALYANESWARI (DVC) -I	0	0	0	0	0
7	-	ER-1717-A	220 KV MAITHON (PG) - KALYANESWARI (DVC) -II	-2.2	110	0	0	110
8	-	ER-1796-A	221 KV RANCHI(PG)-MTPSIDVCI	693.5	-34675	0	0	-34675
9	-	ER-1798-A	220 KV RANCHI(PG)-RAMGARHI(DVC)	-506.3	25315	0	0	25315
10	-	ER-1808-A	400 KV TATA JAMSHEDPUR (DVC) -BARIPADA(PG)	-988.6	49480	0	0	49480
11	-	ER-2042-A	400 KV KODERMA(DVC) -BHARSHARIFF(PG)-LINE-I	0	0	0	0	0
12	-	ER-2044-A	400 KV DSTPS(DVC)-JAMSHEDPUR(PG)-H(MAIN)	0	0	0	0	0
13	-	ER-2046-A	400 KV DSTPS(DVC)-JAMSHEDPUR(PG)-H(MAIN)	0	0	0	0	0
14	-	ER-2082-A	220 KV JAMSHEDPUR (DVC) - JINDALGRIDCO	-951	47550	0	0	47550
15	-	ER-2085-A	400 KV MEJIA(DVC)-MAITHON(PG)	-133.8	669	0	0	669
16	-	ER-2087-A	400 KV TATA JAMSHEDPUR (DVC) -JAMSHEDPUR (PG)	1785.8	-89290	0	0	-89290
17	-	ER-2102-A	220 KV WARIA (DVC) - BIDHANNAGAR (WBSETCL)-2	0	0	0	0	0
18	-	ER-2118-A	220 KV WARIA (DVC) - BIDHANNAGAR (WBSETCL)-1	0	0	0	0	0
19	-	ER-2128-A	400 KV KODERMA(DVC) -BHARSHARIFF(PG)-LINE-II	0	0	0	0	0
20	-	ER-2129-A	400 KV KODERMA(DVC) -Gayal(PG)-I	0	0	0	0	0
21	-	ER-2130-A	400 KV KODERMA(DVC) -Gayal(PG)-II	0	0	0	0	0
22	-	ER-2612-A	220 KV DURGAPUR (PG) - PARULIA (DVC) -I	0	0	0	0	0
23	-	ER-2614-A	220 KV DURGAPUR (PG) - PARULIA (DVC) -II	-94.8	4740	0	0	4740
24	-	ER-2655-A	400 KV RTPSIDVCI-RANCHI(PG)	0	0	0	0	0
25	-	ER-2682-A	400 KV RTPSIDVCI-MAITHON(PG)	0	0	0	0	0
26	-	ER-2732-A	400 KV MEJIA(DVC)-MAITHON(PG) LINE-I	-52.4	2620	0	0	2620
27	-	ER-2733-A	400 KV MEJIA(DVC)-MAITHON(PG) LINE-II	-45.8	2290	0	0	2290
28	-	NP-6006-B	132 KV PATNATI (DVC)-PATNATI(USEB)-I(2750M)	0	0	-1.8	-90	-90
29	-	NP-6558-B	132 KV KOLAGHATI(DVC) - KOLAGHAT (WBSETCL)	0	0	0	0	0
30	-	NP-8604-B	132 KV MAITHON (DVC) -JAMTARA (USEB)	787.1	-39855	0	0	-39855
31	-	NP-8605-B	132 KV MANIQUE (DVC) - CHANDIL (USEB)	0	0	0	0	0
-	-	-	Total	-	-23250	-	-90	-23340

Sr.No.	Regional Entity	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs.)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs.)	NET REACTIVE CHARGE (Rs.)
1	EAST CENTRAL RAILWAY	ER-2246-A	220 KV PUSAULI(PG)-DURGAWATI(DFCCL)-1	-56.2	2810	0	0	2810
2	-	ER-2247-A	220 KV PUSAULI(PG)-DURGAWATI(DFCCL)-2	-21.5	1075	0	0	1075
-	-	-	Total	-	3885	-	0	3885

Sr.No.	Regional Entity	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs.)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs.)	NET REACTIVE CHARGE (Rs.)
1	FSTPP	ER-1513-A	400 KV FARAKKA(NTPC)-BERHAMPURE(PG)-1	0	0	0	0	0
2	-	ER-1516-A	400 KV FARAKKA(NTPC)-BERHAMPURE(PG)-2	0	0	0	0	0
3	-	ER-1706-A	400 KV FARAKKA(NTPC)-RAJARHAT(PG)	0	0	0	0	0
4	-	ER-2020-A	400 KV FARAKKA (NTPC)-MALDA (PG) -1	0	0	0	0	0
5	-	ER-2030-A	400 KV FARAKKA (NTPC)-MALDA (PG) -2	0	0	0	0	0
6	-	ER-2031-A	400 KV FARAKKA (NTPC)-KHALGAON (NTPC)-1	-5.8	290	0	0	290
7	-	ER-2032-A	400 KV FARAKKA(NTPC)-NEW PURNEA(PG)	0	0	0	0	0
8	-	ER-2107-A	400 KV FARAKKA (NTPC)-SAGARIGHI(WBI)-2	-42.8	2140	0	0	2140
9	-	ER-2115-A	400 KV FARAKKA (NTPC)-SAGARIGHI(WBI)-1	-407.2	20360	0	0	20360
10	-	ER-2639-A	230 KV FARAKKA (NTPC)-LALAMATIA (USEB)	0	0	0	0	0
11	-	ER-2711-A	400 KV FARAKKA (NTPC)-KHALGAON (NTPC)-2	-107.3	5365	0	0	5365
-	-	-	Total	-	29145	-	0	29145

Sr.No.	Regional Entity	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs.)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs.)	NET REACTIVE CHARGE (Rs.)
1	GMRKEL	NP-8780-A	400 KV ANGLI(PG)-GMR LINE-1	218.8	-10940	0	0	-10940
2	-	NP-8785-A	400 KV ANGLI(PG)-GMR LINE-2	204.4	-10220	0	0	-10220
-	-	-	Total	-	-21160	-	0	-21160

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs)	MVAH LOW	REACTIVE CHARGE MVAH (Rs)	NET REACTIVE CHARGE (Rs.)
1	GRIDCO	ER-1054-A	400 KV MERAMUNDALI (GRIDCO)-BOLANGRIP(G)	0	0	0	0	0
2		ER-1055-A	400 KV MERAMUNDALI (GRIDCO)-TSTPP(NTPC)-2	2.5	-125	0	0	-125
3		ER-1056-A	400KV SUNDERGARHP(G)-STERLITE(GRIDCO)-II	-128	6400	0	0	6400
4		ER-1059-A	400KV SUNDERGARHP(G)-STERLITE(GRIDCO)-I	-101.1	5055	0	0	5055
5		ER-1117-A	400 KV SUNDERGARHP(G)-OPGC-1	-1698.8	84940	0	0	84940
6		ER-1119-A	400 KV SUNDERGARHP(G)-OPGC-2	-1607.2	80360	0	0	80360
7		ER-1553-A	HV side meter of 400/220 Baripada ICT-1	-0.7	35	0	0	35
8		ER-1563-A	400 KV SIDE OF ROURKELA (PG) 400/220 KV ICT-1 AND ICT-3	0	0	0	0	0
9		ER-1565-A	400 KV SIDE OF ROURKELA (PG) 400/220 KV ICT-2 AND ICT-4	0	0	0	0	0
10		ER-1571-A	HV side meter of 400/220 Jeyore ICT-2	1007.3	-50365	0	0	-50365
11		ER-1575-A	HV side meter of 400/220 Balangi-ICT-1	0	0	0	0	0
12		ER-1582-A	HV side meter of 400/220 Balangi-ICT-2	0	0	0	0	0
13		ER-1583-A	HV side of 400/220 Pandiabihi ICT-1	0.7	-35	0	0	-35
14		ER-1587-A	HV side meter of 400/220 KV Keonjhar ICT-2	0	0	0	0	0
15		ER-1589-A	HV side meter of 400/220 KV Keonjhar ICT-1	0	0	0	0	0
16		ER-1595-A	HV side meter of 400/220 Bhangali ICT-2	0	0	0	0	0
17		ER-1598-A	HV side meter of 400/220 Bhangali ICT-1	0	0	0	0	0
18		ER-1746-A	HV side meter of 400/220 Baripada ICT-2	0	0	0	0	0
19		ER-1747-A	HV side meter of 400/220 Baripada ICT-3	0	0	0	0	0
20		ER-1758-A	400 KV MERAMUNDALI(GRIDCO)-TSTPP(NTPC)	0	0	0	0	0
21		ER-1759-A	400 KV INDIRAVATI (PG) - INDIRAVATI (PH)	1507.3	-75365	0	0	-75365
22		ER-1776-A	HV side of 400/220 Pandiabihi ICT-2	0.7	-35	0	0	-35
23		ER-1897-A	400 KV DUBRI(GRIDCO)-PANDIABIHI(PG)	-167.2	8360	0	0	8360
24		ER-1900-A	400 KV DUBRI (GRIDCO) - BARIPADA(PG)	-899.6	44980	0	0	44980
25		ER-1992-A	220 KV JODA (GRIDCO)-RAMCHANDRAPUR (SEB)	-36.7	835	0	0	835
26		ER-2056-A	33 KV DARBAILUIN(PG) - DULANGA CMR(DPCC)-1	0	0	0	0	0
27		ER-2062-A	400 KV SIDE OF JEYPORE (PG) 400/220 KV ICT-1 AND ICT-3	2185.8	-109290	0	0	-109290
28		ER-2066-A	220 KV JINDAL (GRIDCO)-JAMSHEDPUR (DVC)	-725.5	36275	0	0	36275
29		ER-2071-A	400 KV MENDHASAL (GRIDCO)- PANDIABIHI(PG)-II	-3.3	165	0	0	165
30		ER-2072-A	400 KV MENDHASAL (GRIDCO)- PANDIABIHI(PG)-I	-1.1	55	0	0	55
31		ER-2074-A	132 KV JODA (GRIDCO)-KENDPOSI (SEB)	11.1	-555	0	0	-555
32		NP-5101-A	220 KV TSTPP (NTPC) - MERAMUNDALI (GRIDCO)-2	536.6	-26830	0	0	-26830
33		NP-5102-A	220 KV TSTPP (NTPC) - RENGALI HPS (GRIDCO)	-2244.6	112230	0	0	112230
34		NP-5103-A	220 KV TSTPP (NTPC) - TIPS (GRIDCO)	-3526.4	176320	0	0	176320
35		NP-5112-A	220 KV TSTPP (NTPC) - MERAMUNDALI (GRIDCO)-1	-1951.4	97570	0	0	97570
			Total		390980		0	390980

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs)	MVAH LOW	REACTIVE CHARGE MVAH (Rs)	NET REACTIVE CHARGE (Rs.)
1	HVDC ALIPURDUAR	ER-1104-A	33 KV SIDE OF 400/220 ALIPURDUAR(IG) ICT-1	21.9	-1095	0	0	-1095
2		ER-1146-A	33 KV SIDE OF 400/220 ALIPURDUAR(IG) ICT-2	19.8	-995	0	0	-995
-			Total	-	-2090	-	0	-2090

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs)	MVAH LOW	REACTIVE CHARGE MVAH (Rs)	NET REACTIVE CHARGE (Rs.)
1	HVDC SASARAM	NP-8016-B	415 V SIDE OF 13/0.415 PUSALU(IG) 63 KVA(1ST LIGHT) T/F-1	0	0	0	0	0
2		NP-8616-B	33 KV SIDE OF 33/0.415 PUSALU(IG) TEST TRF(IG)-1	0	0	0	0	0
3		NP-8692-A	33 KV SIDE OF 33/0.415 2.5 MVA PUSALU TRT TRF-2	0	0	0	0	0
4		NP-8693-A	33 KV SIDE OF 33/0.415 2.5 MVA PUSALU HVDC TRF-2	0	0	0	0	0
-			Total	-	0	-	0	0

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs)	MVAH LOW	REACTIVE CHARGE MVAH (Rs)	NET REACTIVE CHARGE (Rs.)
1	JITPL	ER-1085-A	400 KV ANGULI(JITPL)-JITPL LINE-1	-157	7850	0	0	7850
2		ER-1087-A	400 KV ANGULI(JITPL)-JITPL LINE-2	-341.8	17090	0	0	17090
-			Total	-	24940	-	0	24940

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs)	MVAH LOW	REACTIVE CHARGE MVAH (Rs)	NET REACTIVE CHARGE (Rs.)
1	JORETHANG HEP	ER-1461-A	220 KV NEW MELLU(JPG)-JORETHANGULHEP-2	-1.9	95	0	0	95
2		ER-1470-A	220 KV NEW MELLU(JPG)-JORETHANGULHEP-1	-1	50	0	0	50
-			Total	-	145	-	0	145

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs)	MVAH LOW	REACTIVE CHARGE MVAH (Rs)	NET REACTIVE CHARGE (Rs.)
1	JUVNL	ER-1197-A	HV side meter of 400/220 Daltonganj ICT-1	0	0	62.4	3120	3120
2		ER-1221-A	400 KV RANCHI NEW(PG)-PATRATU NEW(JUVNL) LINE-1	180.3	-9015	0	0	-9015
3		ER-1230-A	400 KV RANCHI NEW(PG)-PATRATU NEW(JUVNL) LINE-2	95.9	-4795	0	0	-4795
4		ER-1252-A	220 KV RANCHI(PG)-HATIA(JUVNL)-II	1487.7	-74385	0	0	-74385
5		ER-1257-A	HV side meter of 400/220 Jamshedpur ICT-3	-80.1	2005	0	0	2005
6		ER-1317-A	HV side meter of 400/220 Daltonganj ICT-2	0	0	74.4	3720	3720
7		ER-1364-A	132 KV DEOGARH (SEB) - SULTANGANJ (BSPHCL)	0	0	0	0	0
8		ER-1859-A	132 KV NAGARUNTARI(SEB) - SONENAGARI(SEB)	0	0	0	0	0
9		ER-1861-A	132 KV JALPAIGURI (SEB) - SONENAGAR (BSPHCL)	0	0	-25.6	-4780	-4780
10		ER-1864-A	132 KV KENDPOSI(SEB)-JODA(GRIDCO) TRANSFER BUS	0.1	-5	3.5	75	70
11		ER-1865-A	132 KV KENDPOSI (SEB) - JODA (GRIDCO)	0	0	0	0	0
12		ER-1928-A	400 KV SIDE OF CHABASA(PG) 315 MVA 400/220 ICT-2	0	0	0	0	0
13		ER-2142-A	400 KV SIDE OF CHABASA(PG) 315 MVA 400/220 ICT-1	0	0	0	0	0
14		ER-2149-A	132 KV CHANDLI (SEB) - MANIQUE (DVC)	0	0	0	0	0
15		ER-2177-A	132 KV JAMTARA (SEB) - MAITHON (DVC)	0	0	0	0	0
16		ER-2203-A	220 KV CHANDLI (SEB) - SANTALDIH (WBSETCL)	-13.2	660	0	0	660
17		NP-5874-A	220 KV RANCHI(PG)-CHANDLI(JUVNL)	1417.6	-70880	0	0	-70880
18		NP-5875-A	220 KV RANCHI(PG)-HATIA(JUVNL)-I	1552.7	-78135	0	0	-78135
19		NP-6005-B	132 KV PATRATU (SEB) - PATRATU (DVC)-2	0	0	0	0	0
20		NP-6102-A	220 KV RAMCHANDRAPUR (SEB) - JODA (GRIDCO)	-1144.9	57245	0	0	57245
21		NP-6105-A	HV side meter of 400/220 Jamshedpur ICT-2	-285.6	14280	0	0	14280
22		NP-6106-A	HV side meter of 400/220 Jamshedpur ICT-1	-223.7	11185	0	0	11185
23		NP-6107-A	132 KV LALMATIA (SEB) - KAHALGAON (BSPHCL)	0	0	-0.3	-15	-15
24		NP-6115-A	220 KV TENUGHAT (SEB) - BHARSHARIF (BSPHCL)	1972.7	-98635	0	0	-98635
25		NP-7880-A	222 KV RANCHI(PG)-HATIA(JUVNL)-III	1766.5	-88325	0	0	-88325
26		NP-8610-B	132 KV PATRATU (SEB) - PATRATU (DVC)-1	0	0	0	0	0
27		NP-8721-A	220 KV MAITHON(IG) - DUMKA(JUVNL) - I	508.8	-25440	0	0	-25440
28		NP-8739-A	220 KV MAITHON(IG) - DUMKA(JUVNL) - II	2414.8	-120740	0	0	-120740
-			Total	-	-484980	-	2120	-482860

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs.)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs.)	NET REACTIVE CHARGE (Rs.)
1	KHSTPP	ER-1858-A	400 KV KAHALGAON-DURGAPUR-1	0	0	0	0	0
2		ER-1860-A	400 KV KAHALGAON-DURGAPUR-2	0	0	0	0	0
3		ER-2161-A	132 KV KAHALGAON(NTPCI)-KAHALGAON (BSPHCL)	0.4	-20	0	0	-20
4		ER-2162-A	132 KV KAHALGAON (NTPCI)-SABOUR (BSPHCL)	0	0	1.1	55	55
5		ER-2164-A	132 KV KAHALGAON (NTPCI)-LALAMATA (ISEB)	-2.5	125	0	0	125
6		NP-5117-A	400 KV KAHALGAON-BANKA-2	0	0	0	0	0
7		NP-5245-A	400 KV KAHALGAON-BANKA-1	0	0	0	0	0
8		NP-5246-A	400 KV KAHALGAON (NTPCI)-LAKHISARAI(PG)-1	0	0	0	0	0
9		NP-5247-A	400 KV KAHALGAON (NTPCI)-MAITHON (PG)-1	0	0	0	0	0
10		NP-5254-A	400 KV KAHALGAON (NTPCI)-FARAKKAL(NTPCI)-2	0	0	0	0	0
11		NP-5257-A	400 KV KAHALGAON (NTPCI)-MAITHON (PG)-2	0	0	0	0	0
12		NP-5258-A	400 KV KAHALGAON (NTPCI)-FARAKKAL(NTPCI)-1	0	0	0	0	0
13		NP-5266-A	400 KV KAHALGAON-BARH-I	-15583.3	779165	0	0	779165
14		NP-5269-A	400 KV KAHALGAON-BARH-I	0	0	0	0	0
15		NP-8676-A	400 KV KAHALGAON (NTPCI)-LAKHISARAI(PG)-2	0	0	0	0	0
-	-	-	Total	-	779270	-	55	779245

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs.)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs.)	NET REACTIVE CHARGE (Rs.)
1	MPL	ER-1122-A	400 KV MAITHON RB(MPL)-MAITHON(PG)-1	0	0	0	0	0
2		ER-1123-A	400 KV MAITHON RB(MPL)-MAITHON(PG)-2	0	0	0	0	0
3		ER-1124-A	400 KV MAITHON RB(MPL)-DHANBADIN(KTL)-1	0	0	0	0	0
4		ER-1119-A	400 KV MAITHON RB(MPL)-DHANBADIN(KTL)-II	0	0	0	0	0
-	-	-	Total	-	0	-	0	0

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs.)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs.)	NET REACTIVE CHARGE (Rs.)
1	MTPS	ER-1161-A	220 KV KBUNL(MTPS) STG-II-SAMASTIPUR NEW(BSPHCL)-2	754.2	-37710	0	0	-37710
2		ER-1164-A	220 KV KBUNL(MTPS) STG-II-GOPALGANJ(BSPHCL)-2	705.2	-35260	0.2	10	-35260
3		ER-1168-A	220 KV SIDE OF IBT-3 OF KBUNL(MTPS) STG-I	-29	1450	0	0	1450
4		ER-1169-A	220 KV SIDE OF IBT-2 OF KBUNL(MTPS) STG-I	30.3	-1515	0	0	-1515
5		ER-1188-A	220 KV SIDE OF IBT-1 OF KBUNL(MTPS) STG-I	32.7	-1635	0	0	-1635
6		ER-1238-A	220 KV KBUNL(MTPS) STG-II-GOPALGANJ(BSPHCL)-1	623	-26150	0	0	-26150
7		ER-1387-A	220 KV KBUNL(MTPS) STG-II-MOTIPUR(BSPHCL)-1	1660.9	-83045	0	0	-83045
8		ER-1838-A	220 KV KBUNL(MTPS) STG-II-MOTIPUR(BSPHCL)-1	2154.7	-107735	0	0	-107735
9		ER-1887-A	220 KV KANTI (BSPHCL)-MUZAFFARPUR (PG)-1	-3540.6	177030	0	0	177030
10		ER-1890-A	220 KV KANTI (BSPHCL)-MUZAFFARPUR (PG)-2	-4664.4	233220	0	0	233220
11		ER-1891-A	220 KV KBUNL(MTPS) STG-II-SAMASTIPUR NEW(BSPHCL)-1	0	0	0	0	0
-	-	-	Total	-	118650	-	10	118660

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs.)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs.)	NET REACTIVE CHARGE (Rs.)
1	NISTPP	ER-1781-A	400 KV NORTH KARANPURA(NTPCI)-CHANDWA(PG)-1(MAIN)	238.1	-10905	0	0	-10905
2		ER-1783-A	400 KV NORTH KARANPURA(NTPCI)-CHANDWA(PG)-2(MAIN)	202.2	-12110	0	0	-12110
-	-	-	Total	-	-23015	-	0	-23015

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs.)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs.)	NET REACTIVE CHARGE (Rs.)
1	NPQC	ER-1328-A	400 KV NPQC-CHANDAUJI(PG)-1	0	0	0	0	0
2		ER-1365-A	400 KV NPQC-CHANDAUJI(PG)-2	0	0	0	0	0
3		ER-1954-A	400 KV NPQC-JAKKANPUR(PG)-1	0	0	0	0	0
4		ER-1956-A	400 KV NPQC-JAKKANPUR(PG)-2	0	0	0	0	0
-	-	-	Total	-	0	-	0	0

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs.)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs.)	NET REACTIVE CHARGE (Rs.)
1	NVN-BANGLADESH	ER-1135-A	400 KV BERHAMPURE(PG)-BHERAMARA(BNGLADESH)LINE-1	0	0	0	0	0
2		ER-1634-A	400 KV BERHAMPURE(PG)-BHERAMARA(BNGLADESH)LINE-3	0	0	0	0	0
3		ER-2010-A	400 KV BERHAMPURE(PG)-BHERAMARA(BNGLADESH)LINE-4	0	0	0	0	0
4		ER-2108-A	400 KV BERHAMPURE(PG)-BHERAMARA(BNGLADESH)LINE-2	10.9	-545	0	0	-545
-	-	-	Total	-	-545	-	0	-545

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs.)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs.)	NET REACTIVE CHARGE (Rs.)
1	NVN-NEPAL	ER-1361-A	400 KV MUZAFFARPUR(PG)-DHALKEBAR(NEPAL)-2(MAIN)	0	0	0	0	0
2		ER-1935-A	400 KV MUZAFFARPUR(PG)-DHALKEBAR(NEPAL)-1(MAIN)	0	0	0	0	0
-	-	-	Total	-	0	-	0	0

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs.)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs.)	NET REACTIVE CHARGE (Rs.)
1	RANGIT	ER-2100-A	132 KV RANGIT (NHPC) - KURSEONG(WBSETCL)	-428.5	21425	0	0	21425
2		ER-2714-A	132 KV RANGIT (NHPC) - RAMMAM (WBSETCL)	-113.9	5695	0	0	5695
3		ER-2715-A	132 KV RANGIT (NHPC) - RANGPO (PG)	-292.4	12120	0	0	12120
4		ER-2718-A	132 KV RANGIT (NHPC) - SAGBARI (SIKKIM)	5.7	-285	0	0	-285
5		ER-2738-A	66 KV RANGIT (NHPC) - RAVANGLA (SIKKIM)	-0.2	10	0	0	10
-	-	-	Total	-	38965	-	0	38965

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs.)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs.)	NET REACTIVE CHARGE (Rs.)
1	RONGNICHU HEP	ER-1607-A	220 KV RANGPO(PG)-RONGNICHU(MBPC) CRT-1(MAIN)	1	-50	0	0	-50
2		ER-1608-A	220 KV RANGPO(PG)-RONGNICHU(MBPC) CRT-2(MAIN)	2.9	-145	0	0	-145
-	-	-	Total	-	-195	-	0	-195

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs.)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs.)	NET REACTIVE CHARGE (Rs.)
1	SIKKIM	ER-1489-A	132 KV SIDE OF GANGTOK 132/66 KV ICT-II	-13.1	655	0	0	655
2		ER-1490-A	132 KV SIDE OF GANGTOK 132/66 KV ICT-I	-12.9	645	0	0	645
3		ER-2124-A	66 KV MELLI (SIKKIM) -KALJMPONG (WBSETCL)	0	0	0	0	0
4		NP-8770-A	132 KV MELLI (SIKKIM) - RANGPO (PG)	-154.3	7715	0	0	7715
5		NP-8771-A	132 KV MELLI (SIKKIM) - SIJUGURI (PG)	-257.7	12885	0	0	12885
-	-	-	Total	-	21900	-	0	21900

Sr.No.	Regional Entity	Meter No	Line Name	MVAH HIGH	REACTIVE CHARGE MVAH (Rs.)	MVAH LOW	REACTIVE CHARGE MVAhL (Rs.)	NET REACTIVE CHARGE (Rs.)
1	TEESTA	ER-2667-A	400 KV TEESTA-RANGRO-1	0	0	0	0	0
2		ER-2669-A	400 KV TEESTA-RANGRO-2	0	0	0	0	0
-	-	-	Total	-	0	-	0	0

Sr.No.	Regional Entity	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs.)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs.)	NET REACTIVE CHARGE (Rs.)
1	THEP	ER-1654-A	220 KV NEW MELLIP(PO)-TASHINDING-1	2.9	-145	0	0	-145
2		ER-1655-A	220 KV NEW MELLIP(PO)-TASHINDING(SKHA) LINE	5.7	-285	0	0	-285
			Total		-430		0	-430

Sr.No.	Regional Entity	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs.)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs.)	NET REACTIVE CHARGE (Rs.)
1	TSTPP	ER-2606-A	400 KV TALCHER (NTPC)-MERAMUNDALIGRIDDCI-2	0	0	0	0	0
2		ER-2673-A	400 KV TALCHER (NTPC) - ROURKELA (PG) -1	0	0	0	0	0
3		NP-5084-A	400 KV TALCHER (NTPC) - ROURKELA (PG) -2	0	0	0	0	0
4		NP-5085-A	400 KV TALCHER (NTPC) - RENGALI (PG) -1	0	0	0	0	0
5		NP-5106-A	400 KV TALCHER (NTPC) - RENGALI (PG) -2	0	0	0	0	0
6		NP-5108-A	400 KV SIDE OF TALCHER(NTPC) 315MVA 400/220KV ATR-1	0	0	0	0	0
7		NP-5109-A	400 KV SIDE OF TALCHER(NTPC) 315MVA 400/220KV ATR-2	0	0	0	0	0
8		NP-5970-A	400 KV TALCHER (NTPC)-MERAMUNDALIGRIDDCI-1	0	0	0	0	0
			Total		0		0	0

Sr.No.	Regional Entity	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs.)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs.)	NET REACTIVE CHARGE (Rs.)
1	TUL	ER-1547-A	400 KV TEESTA-III - DICKCHU	0	0	0	0	0
2		ER-1549-A	400 KV TEESTA-III - KISHANGAN(I)PG	0	0	0	0	0
			Total		0		0	0

Sr.No.	Regional Entity	Meter No	Line Name	MVA/H HIGH	REACTIVE CHARGE MVA/H (Rs.)	MVA/H LOW	REACTIVE CHARGE MVA/L (Rs.)	NET REACTIVE CHARGE (Rs.)
1	WBSETCL	ER-1040-A	400 KV PSP NEW(WB)-RANCHI NEW(PG)-I	989.5	-4947.5	0	0	-4947.5
2		ER-1043-A	400 KV KHARAGPUR (WBSETCL)-BARPADA (PG)	8	-400	0	0	-400
3		ER-1044-A	220 KV ALPURDUAR(PG)-ALPURDUAR(B)-I	297.2	-14860	0	0	-14860
4		ER-1047-A	220 KV ALPURDUAR(PG)-ALPURDUAR(WB)-I	89.4	-4470	0	0	-4470
5		ER-1071-A	220 KV DALKHOLA(PG)-DALKHOLA(WBSETCL)LINE-I	-448.5	2242.5	0	0	2242.5
6		ER-1072-A	220 KV DALKHOLA(PG)-DALKHOLA(WBSETCL)LINE-II	-15.7	785	0	0	785
7		ER-1080-A	132 KV SILIGURI (PG) - NIP(WBSETCL)	109.2	-5160	0	0	-5160
8		ER-1083-A	220 KV BIDHANNAGAR (WBSETCL) - WARIA (DVC)-2	0	0	0	0	0
9		ER-1130-A	400 KV PSP NEW(WB)-RANCHI NEW(PG)-II	0	0	0	0	0
10		ER-1131-A	400 KV SAGARDIGHI(WB)-FARAKKAN(TPG)-II	0	0	0	0	0
11		ER-1133-A	400 KV GOKARNA(WB)-RAJARHAT(PG)	0	0	0	0	0
12		ER-1136-A	400 KV GOKARNA(WB)-PURNIA(PG)	0	0	0	0	0
13		ER-1141-A	400 KV SUBHASHGRAM(PG)-HALDIA CESC(WB) LINE-I	86.1	-4305	0	0	-4305
14		ER-1466-A	220 KV SIDE OF 220/132 MALDA 160 MVA ICT-1	0	0	0	0	0
15		ER-1471-A	400 KV JERAT (WBSETCL) - RAJARHAT(PG)	0	0	-213	-10650	-10650
16		ER-1477-A	400 KV JERAT(PG) - SUBHASHGRAM (PG)	-13.8	690	0	0	690
17		ER-1482-A	220 KV SIDE OF BIRPARA 220/132 160 MVA ICT-1	-2110.3	10551.5	0	0	10551.5
18		ER-1483-A	400 KV SIDE OF 400/220 KV 315 MVA SUBHASHGRAM ICT-2	34.5	-1725	0	0	-1725
19		ER-1484-A	400 KV SIDE OF 400/220 KV 500 MVA SUBHASHGRAM ICT-5	46.2	-2310	0	0	-2310
20		ER-1485-A	220 KV SIDE OF BIRPARA 220/132 160 MVA ICT-2	-10.4	520	0	0	520
21		ER-1486-A	400 KV SIDE OF 400/220 KV 315 MVA SUBHASHGRAM ICT-3	27.3	-1365	0	0	-1365
22		ER-1512-A	220 KV SIDE OF 220/132 MALDA 160 MVA ICT-2	-1297.4	64870	0	0	64870
23		ER-1526-A	HV side of 400/220 KV RAJARHAT(PG) ICT-1	67.3	-3365	0	0	-3365
24		ER-1534-A	400 KV SIDE OF 400/220 KV 315 MVA SUBHASHGRAM ICT-1	42.3	-2115	0	0	-2115
25		ER-1537-A	400 KV SIDE OF 400/220 KV 315 MVA SUBHASHGRAM ICT-4	27.7	-1385	0	0	-1385
26		ER-1637-A	400 KV DURGAPUR(PG) - SAGARDIGHI(WBSETCL)-I	19.6	-980	0	0	-980
27		ER-1639-A	220 KV SIDE OF 50 MVA MALDA(PG) 220/132 ICT-4	-936.3	4681.5	0	0	4681.5
28		ER-1650-A	400 KV SIDE OF RAJARHAT(PG) 400/220 500 MVA ICT-2	57.1	-2855	0	0	-2855
29		ER-1675-A	132 KV SILIGURI (PG) - NBU (WBSETCL)	-337.3	16865	0	0	16865
30		ER-1679-A	400 KV SUBHASHGRAM(PG)-HALDIA CESC(WB) LINE-II	-3.8	240	9.1	455	695
31		ER-1683-A	765 KV SIDE OF MEDINIPUR(PG) 765/400KV 1500 MVA ICT-1	0	0	0	0	0
32		ER-1685-A	765 KV SIDE OF MEDINIPUR(PG) 765/400KV 1500 MVA ICT-2	0	0	0	0	0
33		ER-1693-A	220 KV GAZOLE(WB)-MALDA(PG)-1	1499.4	-74970	0	0	-74970
34		ER-1729-A	220 KV BINAGURI (PG) - JALPAIGURI (WBSETCL)-1	1621.1	-81055	0	0	-81055
35		ER-1981-A	400 KV SAGARDIGHI(WB) - FARAKKA (NTPC)-JIMMAN	-0.7	35	0	0	35
36		ER-1986-A	132 KV RAMMAM (WBSETCL) - RANGIT (NHPC)	18.7	-935	0	0	-935
37		ER-2012-A	400 KV SAGARDIGHI(WB)-BERHAMPORE(PG) LINE-II	0	0	0	0	0
38		ER-2015-A	400 KV KHARAGPUR(WB)-CHAIBASAP(PG)-I	-53	2650	0	0	2650
39		ER-2016-A	400 KV KHARAGPUR(WB)-CHAIBASAP(PG)-II	-34.1	1705	0	0	1705
40		ER-2017-A	400 KV SAGARDIGHI(WB)-BERHAMPORE(PG) LINE-I	0	0	0	0	0
41		ER-2038-A	66 KV KALIMPONG (WBSETCL) - MELLI (SKKM)	-28.7	1435	0	0	1435
42		ER-2039-A	220 KV BINAGURI (PG) - JALPAIGURI(WBSETCL)-II	562.1	-28105	0	0	-28105
43		ER-2041-A	220 KV SANTALDIH (WBSETCL) - CHANDUL(USB)	-884.5	44225	0	0	44225
44		ER-2045-A	220 KV GAZOLE(WB)-DALKHOLA(PG)-2	-936.2	46810	0	0	46810
45		ER-2096-A	132 KV KURSEONG(WBSETCL)-SILIGURI(NHPC)	-93.3	4665	0	0	4665
46		ER-2101-A	400 KV JERAT(WB)-NEW JERAT(PM)TLI CKT-1	31.6	-1580	0	0	-1580
47		ER-2103-A	401 KV JERAT(WB)-NEW JERAT(PM)TLI CKT-2	43.7	-2185	0	0	-2185
48		ER-2109-A	400 KV DURGAPUR(PG) - BIDHANNAGAR(WBSETCL)-I	53.3	-2765	0	0	-2765
49		ER-2111-A	400 KV DURGAPUR (PG) - BIDHANNAGAR(WBSETCL)-II	0	0	0	0	0
50		ER-2122-A	132 KV KURSEONG(WBSETCL)-RANGIT(NHPC)	-67.7	3385	0	0	3385
51		ER-2125-A	220 KV GAZOLE(WB)-DALKHOLA(PG)-1	-971.7	48585	0	0	48585
52		ER-2617-A	400 KV DURGAPUR(PG)-SAGARDIGHI(WBSETCL)-1	1.5	-75	0	0	-75
53		ER-2687-A	132 KV DALKHOLA (WBSETCL)-BARISH(PHCL)	30.4	-1520	0	0	-1520
54		ER-2723-A	220 KV GAZOLE(WB)-MALDA(PG)-2	1395.6	-69780	0	0	-69780
55		NP-6484-A	220 KV BIDHANNAGAR (WBSETCL)-WARIA(DVC)-1	0	0	0	0	0
			Total		54480		-10195	44285



सत्यमेव जयते

भारत सरकार  
Government of India  
विद्युत् मंत्रालय  
Ministry of Power  
पूर्वी क्षेत्रीय विद्युत् समिति  
Eastern Regional Power Committee

No. ERPC/COMMERCIAL/CCM/2023/ 1028

Date: 31.10.2023

To

As per List Attached.

Subject: Minutes of Special Commercial Sub-committee meeting of ERPC held on 17.10.2023-  
reg

विषय: 17.10.2023 को आयोजित ईआरपीसी की विशेष वाणिज्यिक उप-समिति की बैठक का  
कार्यवृत्त-संबंधित

Sir,

The Reactive Energy Accounting methodology as per CERC IEGC Regulation 2023 was discussed and finalized in the special Commercial Sub-Committee Meeting of ERPC held on 17<sup>th</sup> October 2023 through physically at ERPC Conference Hall, Kolkata as well as through virtual mode is enclosed for your kind information and necessary action, please.

This issues with the approval of Member Secretary, ERPC.

यह सदस्य सचिव, ईआरपीसी के अनुमोदन से जारी किया जाता है।

Yours faithfully

(P. K. De)  
SE (Comm.)

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## EASTERN REGIONAL POWER COMMITTEE, KOLKATA

### Methodology of Reactive Energy Accounting as per IEGC, 2023

#### **Regulatory Provisions for Reactive Energy Accounting as per IEGC, 2023**

Annexure-4 of IEGC, 2023 states as follows:

##### 1. REACTIVE POWER COMPENSATION

- (a) Reactive power compensation should ideally be provided locally, by generating reactive power as close to the reactive power consumption as possible. The regional entities are therefore expected to provide local VAR compensation or generation such that they do not draw VARs from the EHV grid, particularly under low-voltage condition. To discourage VAR draws by regional entities, VAR exchanges with ISTS shall be priced as follows:
- The regional entity pays for VAR drawl when voltage is below 97%
  - The regional entity gets paid for VAR return when voltage is below 97%.
  - The regional entity gets paid for VAR drawl when voltage is above 103%.
  - The regional entity pays for VAR return when voltage is above 103%.

Where all voltage measurements are at the interface points with ISTS.

The charge for VARh shall be at the rate of 5 paise/kVARh w.e.f. the date of effect of these regulations. This rate shall be escalated at 0.5 paise/kVARh per year thereafter, unless otherwise revised.

- (b) All the Inverter Based Resources (IBRs) covering wind, solar, and energy storage shall ensure that they have the necessary capability, as per CEA Connectivity Standards, all the time including non-operating hours and night hours for solar. The active power consumed by these devices for purpose of providing reactive power support, when operating under synchronous condenser/night-mode, shall not be charged under deviations and shall be treated as transmission losses in the ISTS.
- (c) For IBRs of capacity 50 MW and below not coming directly to the point of interconnection but through the pooling at the Power Park Developer end, the Power Park Developer shall act as aggregator for the Reactive Energy Charges for payments to and from the Pool Account at RLDC level. The de-pooling of Reactive Energy charges amongst the individual wind and solar shall be done by the Power Park Developer.
- (d) For any interconnecting line between two states, owned by the States, the interface points shall be treated in terms of this Regulation for the purpose of reactive power charges.

## 2. ACCOUNTING AND PAYMENT FOR REACTIVE ENERGY EXCHANGES

- (a) RPC Secretariat shall also issue the weekly statement for VAR charges, to all regional entities.
- (b) The concerned regional entities shall pay the amounts into regional Pool Account operated by the RLDC within 10 (ten) days of issue of statement.
- (c) The regional entities who have to receive the money on account of VAR charges would then be paid out from the regional Pool Account, within two (2) working days from the receipt of payment in the Pool Account.
- (d) If payments against the above VAR charges are delayed by more than two days, i.e., beyond twelve (12) days from issue of the statement by RPC Secretariat, the defaulting regional entity shall 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.
- (e) Persistent payment defaults, if any, shall be reported by the RLDC to the Member Secretary, RPC, for initiating remedial action.

### **3. As per Sr. No-89 of definition of Pool Account of IEGC Regulation 2023:**

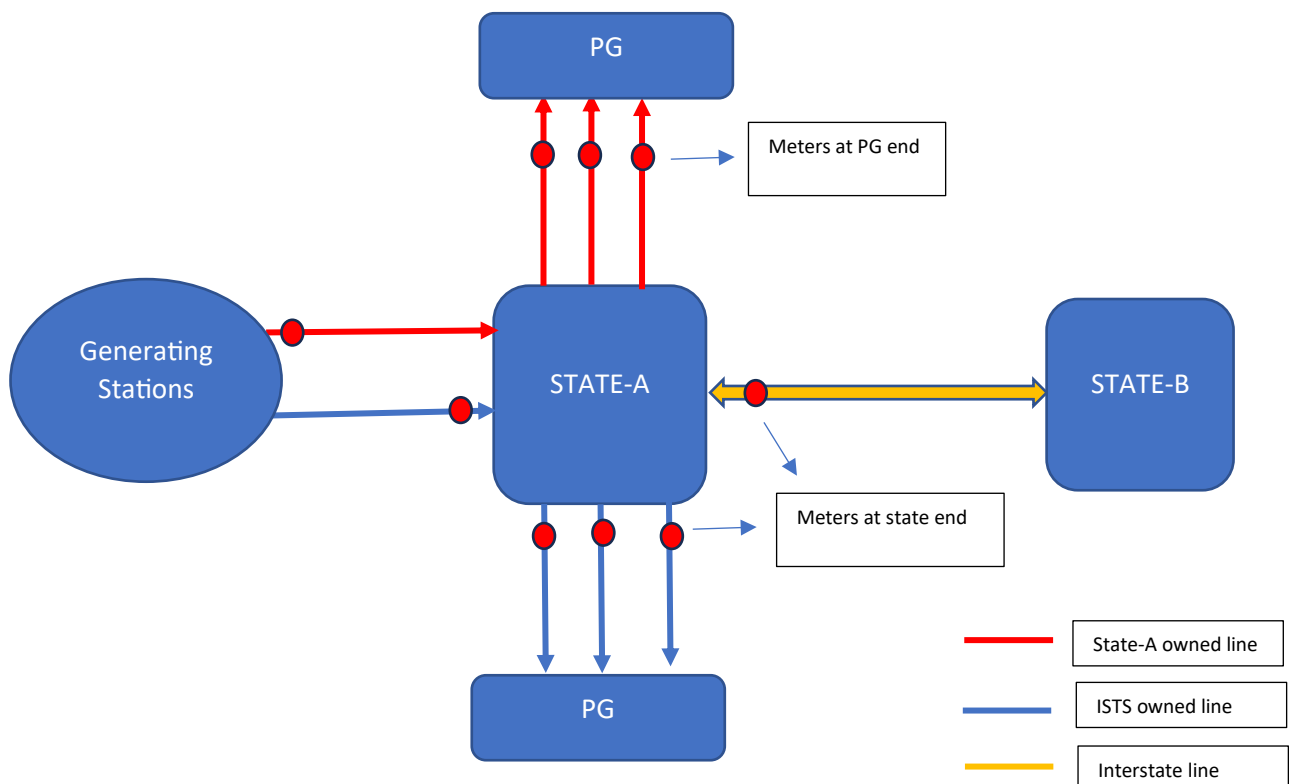
‘Pool Account’ means Deviation and Ancillary Service Pool Account as defined in the DSM Regulations, where the following transactions shall be accounted:

- i. deviations and ancillary services
- ii. reactive energy exchanges
- iii. congestion charge;

## Methodology of Reactive Energy Accounting as per IEGC, 2023

### **1. Regional entities of ER except Generating station:**

- (a) Reactive Energy Accounting shall be done for Regional Entity except Generating Stations for their reactive power interchange with ISTS.
- (b) Any interconnecting line between two states, owned by the States (Natural ISTS lines), the interface points shall be treated for the purpose of reactive power charges.
- (c) VAR draw/return by a Regional Entity except Generating Stations on its own line emanating directly from an ISGS shall also be considered.
- (d) For any state-owned lines, meters at other end (Generator end or ISTS end) shall be considered.
- (e) For interconnecting lines with other state, respective state end meter shall be used.
- (f) For any ISTS lines, meters at state end will be used.
- (g) In case of ICT taken as state drawl, the HV side of ICT will be taken for Var draw/return.
- (h) Main meter reading shall be used for Var draw/return calculation. In the absence of main meter reading, other meter readings shall not be used for VAR calculation.

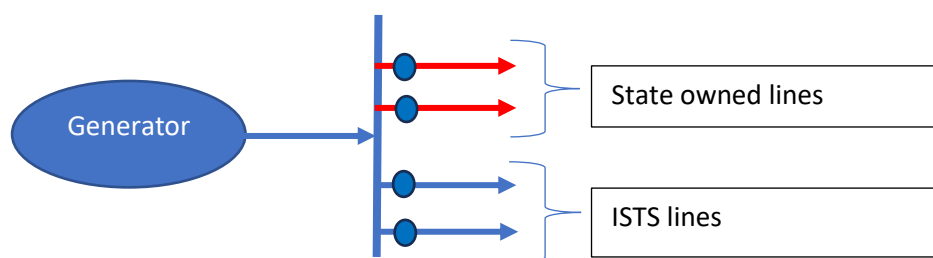


## **2. Regional Entity as Generating Stations except RE generators:**

- (a) VAR draw/return at ISTS Metering Point of the line connecting Generating Station and ISTS shall be accounted.
- (b) VAR draw/return at Generating Station end of line connecting Generating station and other Regional Entity shall also be accounted.
- (c) Main meters readings shall be used for VAR calculation, in the absence of Main meter readings check meter reading shall be used for Var calculation but in case of absence of both Main & check meter readings, the reactive calculation of a line should not be considered.
- (d) In case of Generating stations prior to COD of its first Unit, Varh draw/return shall not be considered in REC computation. However, if a generator is injecting infirm power in a common bus along with its existing firm generation, then the REC of the whole plant will be calculated based on outgoing feeders.
- (e) RE/ Floating Solar located in the premises of a Generating Station and feeding through the Common ICT in the Generation Switchyard, VAR draw/return of the same shall not be accounted.
- (f) Talcher Solar being 10MW solar plant has no dedicated connectivity in ISTS rather its power evacuated through 400Kv system of Talcher thermal plant. So the reactive charges of Talcher STG-1 will be calculated as a whole from common evacuation path.

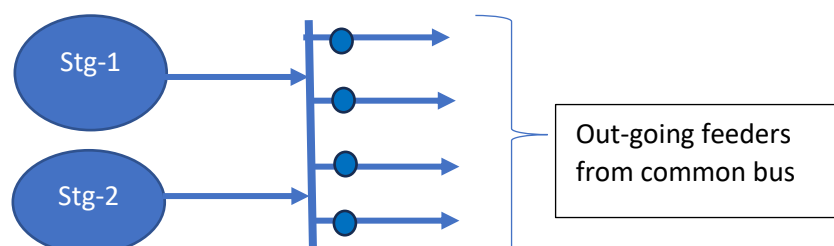
### **2.1 Reactive Accounting of Generating stations having dual connectivity:**

The generating station having both STU & ISTS connectivity, all the out going feeders shall be considered for VAR charges as per the below figure:

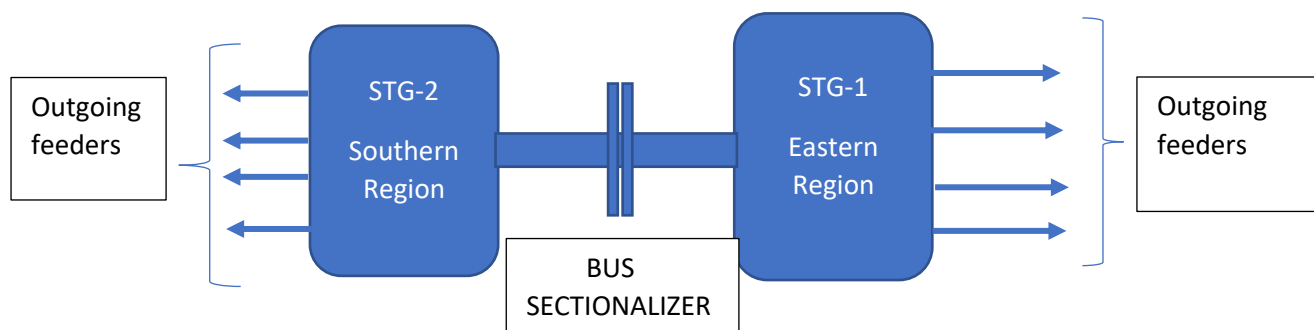


### **2.2 Reactive Accounting of Generating Stations having multiple stages:**

- (a) De-pooling for Stages within Generating Station if required shall be carried out on the basis of Installed Capacity of various Stages else REC of entire plant will be calculated as a whole.



- (b) VAR drawl/return on the interconnection between different stages of a GS shall not accounted for generator (Ex: Bus-Coupler between Talcher St-1 and Talcher St-2)



### **3. RE Generating Station (s) directly connected to ISTS Pooling Station**

VAR drawl/return at ISTS Metering Point end of line connecting RE Generating Station and ISTS PS shall be accounted.

- (a) If two or more RE Generators are feeding at same ISTS point, the VAR drawl/ return shall be segregated based on their respective Commissioned Capacities (COD declared capacities) limited to Connectivity Quanta.
- (b) In case, the concerned RE Generators enter into a formal agreement to use a specific Methodology for de-pooling Reactive Charges amongst themselves, the same shall be applied by them, but payments to Pool account would be as per account issued.

### **Treatment of Active Power Consumption for providing Reactive Power Support**

Regulatory Provisions as per IEGC, 2023 Clause 1(c) of Annexure-4 of IEGC, 2023 states as follows:

*“All the Inverter Based Resources (IBRs) covering wind, solar and energy storage shall ensure that they have the necessary capability, as per CEA Connectivity Standards, all the time including non-operating hours and night hours for solar. The active power consumed by these devices for purpose of providing reactive power support, when operating under synchronous condenser/night-mode, shall not be charged under deviations and shall be treated as transmission losses in the ISTS.”*

### **4. Var calculation of Cross Border Entity:**

- (a) Meters at Indian Periphery shall be considered for VAR charges calculation for cross border entities.
- (b) Main meter reading shall be used for Var drawl/return calculation. In the absence of main meter reading, other meter readings shall not be used for VAR calculation.

## **5. Var calculation of Inter-Regional Lines**

There is no mention for treatment of IR lines for VAR calculation in IEGC-2023. So, these lines may be excluded from calculation of Reactive charges.

## **6. Reactive charges for some special cases: -**

- (a) REC of Entities like HVDC PGCIL, Railways or any other drawee entities etc shall also be calculated.
- (b) In case of ICT taken as drawl point, the HV side of ICT shall be taken for Var drawl/return.

## **7. Reactive Accounting & Settlement**

- (a) ERPC Secretariat shall issue the weekly statement for VAR charges, to all regional entities.
  - (b) The concerned regional entities shall pay the amounts into regional Pool Account operated by the ERLDC within 10 (ten) days of issue of statement.
  - (c) The regional entities who have to receive the money on account of VAR charges would then be paid out from the regional Pool Account, within two (2) working days from the receipt of payment in the Pool Account.
  - (d) If payments against the above VAR charges are delayed by more than two days, i.e., beyond twelve (12) days from issue of the statement by ERPC Secretariat, the defaulting regional entity shall 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.
8. In the Reactive week 25.09.2023-01.10.2023, 6 days (25.09.2023-30.09.2023) period comes under IEGC-2010 regulation and 1 day (01.10.2023) comes under IEGC-2023 regulation. For weekly reactive accounting and settlement, the reactive accounting for the same week may be done in IEGC-2010 regulatory mechanism.

## **9. This methodology shall be implemented w.e.f. 02.10.2023 (Monday).**