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भारत सरकार

उत्तर क्षेत्रीय विद्युत समिति

18-ए, शहीद जीत सिंह सनसनवाल मार्ग, कटवारिया सराय, नई दिल्ली - 110016

Government of India

Northern Regional Power Committee

18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi-110016

सं. उक्षेविस/अधी.अभि.(वा.)/रिएक्टिव/10-11/ 1795-1809
No. NRPC / SE(C) / Reactive /10-11/

दिनांक : 03 सितम्बर, 2010
Dated : 03rd Septemeber, 2010

(भुगतान की तिथि : 13.09.2010 या उससे पहले)
(Due Date of Payment : On or before 13.09.2010)

सेवामें,
To,

संलग्न सूची के अनुसार
As per list enclosed

विषय: दिनांक 16 से 22 अगस्त, 2010 के सप्ताह का रिएक्टिव ऊर्जा लेखा ।

Subject : Account of Reactive Charges for the week 16 to 22 August, 2010.
(सप्ताह सं. WEEK No.21 / वि.व. F.Y. 2010-11)

महोदय/Sir,

Please find enclosed herewith the Statement of Reactive Energy charges for the period **16 to 22 August, 2010**. (also available on our website www.nrpc.gov.in) prepared in accordance with Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010 effective from 03.05.2010.

The constituents, which have to pay the Reactive Energy charges into the Reactive Pool account as indicated in the statement, are requested to make payments within 10 (ten) days i.e. upto the above mentioned Due date of payment into the Pool Account "**PowerGrid Corporation of India Limited - NREB Reactive Account**" (A/c No. 000705003823 – ICICI Bank) maintained by NRLDC,. Payment received after 12 days shall attract simple interest @ 0.04% per day of delay.

अनुलग्नक – यथोपरि ।
Encl. : As above.

भवदीय
Yours faithfully,

प्रकाश मस्के

3/9/2010

(प्रकाश मस्के)

(P.S. Mhaske)

अधीक्षण अभियंता (वाणिज्य)

Superintending Engineer (Commercial)

Northern Regional Power Committee

	0.0	102.8	0.0	95.5	0.0	95.0	0.0	52.3	0.0	40.5	0.0	58.1	0.0	55.1	0.0	499.3	0	49930
Net Charges Payable (+) / Receivable (-) by J & K																	49930	

Northern Regional Power Committee

**Reactive Energy export(-) / import (+) under high & low voltage conditions
And Reactive energy charges thereof @ 10 P/kVARh
During the period 16-Aug-10 to 22-Aug-10**

PUNJAB

(All figs in MVARh)

	16-Aug-10		17-Aug-10		18-Aug-10		19-Aug-10		20-Aug-10		21-Aug-10		22-Aug-10		TOTAL		CHARGES (Rs)		
	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	
With ISTS at																			
MALERKOTLA	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	4.4	0.0	0.0	155.5	0.0	155.5	9.1			
PATIALA	67.9	0.0	31.9	0.0	10.3	0.0	0.0	0.0	0.0	0.0	71.8	0.0	406.0	0.0	587.9	0.0			
AMRITSAR	0.0	0.2	0.0	35.0	0.0	279.8	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	316.9			
JALANDHAR	0.0	0.0	0.0	47.0	0.0	71.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	118.6			
MOGA	245.8	0.0	227.2	0.0	293.2	0.0	120.9	0.0	361.3	0.0	470.8	0.0	752.1	0.0	2471.3	0.0			
LUDHIANA	0.0	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0			
SARNA	0.0	286.5	0.0	346.0	0.0	356.4	0.0	296.8	7.3	283.9	2.1	247.6	0.0	146.9	9.4	1964.1			
NALAGARH	177.0	0.0	545.6	0.8	415.3	67.5	169.4	0.0	136.9	29.4	758.2	0.0	1285.9	0.0	3488.3	97.7			
SUB-TOTAL (ISTS)	490.7	286.7	804.1	428.8	718.8	780.0	290.3	296.8	505.5	319.6	1302.9	247.6	2599.5	146.9	6711.8	2506.4	-671180	250640	
With BBMB at																			
GOVINDGARH	0.0	100.8	0.0	155.1	0.0	46.3	0.0	35.0	0.0	219.4	0.0	42.5	0.0	75.9	0.0	675.0			
MOHALI	0.0	21.6	0.0	37.8	0.0	19.2	0.0	7.8	0.0	148.3	0.0	21.9	0.0	96.3	0.0	352.9			
MAHILPUR	0.0	776.3	0.0	521.6	0.0	597.5	0.0	615.1	0.0	670.7	0.0	559.2	0.0	820.2	0.0	4560.6			
JAMSHER	0.0	0.2	0.2	19.9	0.0	22.5	0.0	0.0	-22.3	1.3	-38.0	0.0	-137.6	0.0	-197.7	43.9			
ROPAR	0.0	-0.4	0.0	-0.6	0.0	0.0	0.0	-1.7	0.0	-12.7	0.0	-35.3	0.0	-17.0	0.0	-67.7			
SANGRUR	0.0	10.0	0.0	80.6	0.0	88.2	0.0	12.3	0.0	32.6	0.0	1.4	0.0	0.0	0.0	225.1			
JAMALPUR	-0.2	338.7	-0.7	750.2	0.0	472.5	1.9	429.1	2.6	746.0	1.0	572.1	22.6	0.0	27.2	3308.6			
JALANDHAR	0.0	407.7	0.0	632.2	0.0	545.1	0.0	314.6	0.0	511.7	0.0	122.2	0.0	0.0	0.0	2533.5			
BARNALA	0.0	120.3	0.0	198.9	0.0	97.4	0.0	15.5	0.0	89.9	0.0	15.9	0.0	32.3	0.0	570.2			
L. MOHABBAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
BHAKRA	1.2	0.0	2.5	0.0	3.6	0.0	0.1	0.0	0.4	0.0	0.3	0.0	0.1	0.0	8.2	0.0			
GANGUWAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
PONG	0.0	0.3	0.0	1.3	0.0	1.8	0.0	0.3	0.0	0.0	0.1	0.0	-0.2	0.0	-0.1	3.7			
SUB-TOTAL (BBMB)	1.0	1775.5	2.0	2397.0	3.6	1890.5	2.0	1428.0	-19.3	2407.2	-36.6	1299.9	-115.1	1007.7	-162.4	12205.8	16240	1220580	
TOTAL (ISTS+BBMB)	491.7	2062.2	806.1	2825.8	722.4	2670.5	292.3	1724.8	486.2	2726.8	1266.3	1547.5	2484.4	1154.6	6549.4	14712.2	-654940	1471220	
																		Net Charges Payable (+) into / Receivable (-) from Pool	816280
With J&K at																			
RANJIT SAGAR	0.0	0.0	0.0	0.0	0.0	-9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-9.5			
SARNA/PTHNKTE	0.0	-102.8	0.0	-95.5	0.0	-95.0	0.0	-52.3	0.0	-40.5	0.0	-58.1	0.0	-55.1	0.0	-499.3			
	0.0	-102.8	0.0	-95.5	0.0	-104.5	0.0	-52.3	0.0	-40.5	0.0	-58.1	0.0	-55.1	0.0	-508.8	0	-50880	
																		Net Charges Payable (+) / Receivable (-) by PUNJAB	-50880
With H.P. at																			
RANJIT SAGAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
CHOHAL	0.0	70.8	0.0	37.4	0.0	41.2	0.0	61.3	0.0	123.3	0.0	104.0	0.0	80.7	0.0	518.7			
KANGRA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
SHANAN	42.2	0.1	41.8	0.1	37.5	0.1	41.7	0.0	37.5	0.2	45.0	0.1	0.8	0.0	246.5	0.6			
	42.2	70.9	41.8	37.5	37.5	41.3	41.7	61.3	37.5	123.5	45.0	104.1	0.8	80.7	246.5	519.3	-24650	51930	
																		Net Charges Payable (+) / Receivable (-) by PUNJAB	27280
With HARYANA at																			
ROPAR	0.0	0.0	-2.7	0.0	0.1	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0			
	0.0	0.0	-2.7	0.0	0.1	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0		-50	
																		Net Charges Payable (+) / Receivable (-) by PUNJAB	-50
With CHANDIGARH at																			
MOHALI	-133.1	-677.5	-72.6	-652.2	0.0	-546.9	-7.6	-331.1	0.0	-505.5	-45.0	-512.4	0.0	-904.9	-258.3	-4130.5			
	-133.1	-677.5	-72.6	-652.2	0.0	-546.9	-7.6	-331.1	0.0	-505.5	-45.0	-512.4	0.0	-904.9	-258.3	-4130.5	25830	-413050	
																		Net Charges Payable (+) / Receivable (-) by PUNJAB	-387220
With RAJASTHAN at																			
MUKTSAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	
																		Net Charges Payable (+) / Receivable (-) by PUNJAB	0

Northern Regional Power Committee

**Reactive Energy export(-) / import (+) under high & low voltage conditions
And Reactive energy charges thereof @ 10 P/kVARh
During the period 16-Aug-10 to 22-Aug-10**

(All figs in MVARh)

RAJASTHAN	16-Aug-10		17-Aug-10		18-Aug-10		19-Aug-10		20-Aug-10		21-Aug-10		22-Aug-10		TOTAL		CHARGES (Rs)		
	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	
With ISTS at																			
HEERAPURA	-897.1	0.0	-834.1	0.0	-228.5	0.0	215.8	0.0	185.9	0.0	148.1	0.0	-616.0	0.0	-2025.9	0.0			
KOTA	301.8	0.0	317.6	0.0	258.1	0.0	275.4	0.0	555.7	0.0	583.5	0.0	423.0	0.0	2715.1	0.0			
MERTA	951.3	0.0	1689.1	0.0	1393.1	0.0	1550.5	0.0	625.8	0.0	1572.0	0.0	1048.0	0.0	8829.8	0.0			
UDAIPUR	250.1	0.0	204.8	0.0	257.0	0.0	269.6	0.0	219.2	0.0	226.6	0.0	285.9	0.0	1713.2	0.0			
BHILWARA	284.5	0.0	291.8	0.0	325.7	0.0	397.6	0.0	458.9	0.0	392.3	0.0	533.0	0.0	2683.8	0.0			
DAUSA	1132.8	0.0	1053.2	0.0	1129.3	0.0	981.0	0.0	857.2	0.0	724.6	0.0	998.5	0.0	6876.6	0.0			
BHIWADI	464.0	1.3	578.1	22.2	755.2	3.7	849.4	0.0	790.3	0.0	1097.1	0.0	971.6	0.0	5505.7	27.2			
S. MADHOPUR	-215.5	0.0	-244.1	0.0	-248.0	0.0	-270.6	0.0	-263.9	0.0	-278.4	0.0	-254.3	0.0	-1774.8	0.0			
CHITTORGARH	93.8	0.0	59.2	0.0	73.7	0.0	71.3	0.0	23.2	0.0	135.2	0.0	181.6	0.0	638.0	0.0			
BASSI	903.8	0.0	899.8	0.0	840.9	0.0	1000.2	0.0	709.0	0.0	604.4	0.0	725.1	0.0	5683.2	0.0			
PHULERA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
KANKROLI	-1246.9	0.0	-1239.0	0.0	-1422.1	0.0	-1521.4	0.0	-1326.1	0.0	-1132.7	0.0	-1559.8	0.0	-9448.0	0.0			
KOTA-PG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
BHINMAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
RAPS-B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
SUB-TOTAL (ISTS)	2022.6	1.3	2776.4	22.2	3134.4	3.7	3818.8	0.0	2835.2	0.0	4072.7	0.0	2736.6	0.0	21396.7	27.2	-2139670	2720	
With BBMB at																			
KHETRI	-237.6	0.0	-177.0	0.0	-309.2	0.0	-536.1	0.0	-929.9	0.0	-720.3	0.0	-636.1	0.0	-3546.2	0.0			
HISSAR	0.0	-41.2	0.0	-19.3	-3.7	-17.5	-4.0	-3.1	0.0	-12.2	0.0	-19.8	0.0	-17.2	-7.7	-130.3			
SUB-TOTAL (BBMB)	-237.6	-41.2	-177.0	-19.3	-312.9	-17.5	-540.1	-3.1	-929.9	-12.2	-720.3	-19.8	-636.1	-17.2	-3553.9	-130.3	355390	-13030	
TOTAL (ISTS+BBMB)	1785.0	-39.9	2599.4	2.9	2821.5	-13.8	3278.7	-3.1	1905.3	-12.2	3352.4	-19.8	2100.5	-17.2	17842.8	-103.1	-1784280	-10310	
																			Net Charges Payable (+) into / Receivable (-) from Pool
																			-1794590
With PUNJAB at																			
SRIGANGANAGAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0
																			Net Charges Payable (+) / Receivable (-) by RAJASTHAN
																			0
With DELHI at																			
ALWAR	-186.0	0.0	67.7	0.0	440.2	0.0	-61.4	0.0	-498.5	0.0	-536.9	0.0	-621.0	0.0	-1395.9	0.0			139590
																			Net Charges Payable (+) / Receivable (-) by RAJASTHAN
																			139590
With U.P. at																			
BHARATPUR	-329.6	0.0	-120.5	0.0	-632.3	0.0	-1370.7	0.0	-1013.9	0.0	-1209.4	0.0	-897.3	0.0	-5573.7	0.0			557370
																			Net Charges Payable (+) / Receivable (-) by RAJASTHAN
																			557370

Northern Regional Power Committee

Reactive Energy export(-) / import (+) under high & low voltage conditions
And Reactive energy charges thereof @ 10 P/kVARh
During the period 16-Aug-10 to 22-Aug-10

UTTARAKHAND																	(All figs in MVARh)			
	16-Aug-10		17-Aug-10		18-Aug-10		19-Aug-10		20-Aug-10		21-Aug-10		22-Aug-10		TOTAL		CHARGES (Rs)			
	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV	HV	LV		
With ISTS at																				
SITARGANJ	14.9	52.1	0.0	195.4	0.0	166.7	0.0	104.3	0.1	36.7	0.0	27.1	0.0	0.0	15.0	582.3				
TOTAL (ISTS)	14.9	52.1	0.0	195.4	0.0	166.7	0.0	104.3	0.1	36.7	0.0	27.1	0.0	0.0	15.0	582.3	-1500	58230		
															Net Charges Payable (+) into / Receivable (-) from Pool		56730			
With H.P. at																				
KHODRI	0.0	-72.5	0.0	-63.8	0.0	-104.5	0.0	-68.5	0.0	-15.2	0.0	-101.0	0.0	37.6	0.0	-387.9				
KULHAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	0.0	-72.5	0.0	-63.8	0.0	-104.5	0.0	-68.5	0.0	-15.2	0.0	-101.0	0.0	37.6	0.0	-387.9	0	-38790		
															Net Charges Payable (+) / Receivable (-) by UTTARAKHAND		-38790			
With U.P. at																				
RISHIKESH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
220 KV ROORKEE	0.0	1364.5	0.0	1242.2	0.0	1383.8	0.0	1302.9	0.0	1121.9	0.0	1211.4	0.0	1072.8	0.0	8699.5				
KHODRI	0.0	-603.5	0.0	-785.3	0.0	-782.9	0.0	-441.9	0.0	-448.8	0.0	-283.8	0.0	-27.2	0.0	-3373.4				
BHAGWANPUR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
PANTNAGAR	0.0	938.2	0.0	1570.9	0.0	1391.4	0.0	1384.9	0.0	1318.4	0.0	1078.7	0.0	766.4	0.0	8448.9				
KHATIMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
SITARGANJ	8.3	128.7	0.0	184.0	0.0	127.6	0.0	173.9	0.0	147.6	0.0	87.5	0.0	0.2	8.3	849.5				
KICHHA	0.0	20.9	0.0	28.4	0.0	29.1	0.0	31.5	0.0	25.1	0.0	20.6	0.0	10.2	0.0	165.8				
CHILLA	1.2	10.1	0.0	-34.6	0.2	-9.4	0.4	-15.7	-1.4	-14.0	-0.9	0.2	-78.4	-67.5	-78.9	-130.9				
KOTDWAR	0.0	24.7	0.0	47.3	0.0	16.1	0.0	102.4	0.0	130.2	0.0	17.8	0.0	42.0	0.0	380.5				
132 KV ROORKEE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
LAKSAR	0.0	-154.6	0.0	-104.9	0.0	-117.3	0.0	-33.4	0.0	-21.5	2.7	-50.7	0.0	-21.8	2.7	-504.2				
MANGALORE	0.0	-104.4	0.0	-133.3	0.0	-145.2	0.0	-143.6	-0.8	-21.5	4.8	-19.1	-1.7	-3.6	2.3	-570.7				
KALAGARH	0.0	-156.2	0.0	-185.3	0.0	-265.0	0.0	-141.9	1.6	-97.0	8.7	-15.6	-14.4	-28.1	-4.1	-889.1				
KASHIPUR	0.0	1167.6	0.0	1893.8	0.0	1399.6	0.0	565.8	0.0	717.5	0.0	968.7	0.0	473.1	0.0	7186.1				
	9.5	2636.0	0.0	3723.2	0.2	3027.8	0.4	2784.9	-0.6	2857.9	15.3	3015.7	-94.5	2216.5	-69.7	20262.0	6970	2026200		
															Net Charges Payable (+) / Receivable (-) by UTTARAKHAND		2033170			

Northern Regional Power Committee

ABSTRACT OF REACTIVE ENERGY CHARGES DURING THE WEEK 16-Aug-10 TO 22-Aug-10

(Rate of Reactive Energy exchanges : 10.00 P/kVARh)

Charges due to Reactive energy exchanges with ISTS / BBMB system under low / high voltage conditions (Payable into / receivable from Pool)

(All figs. in Rs. Lakh)

Name of constituent	Charges payable by constituent	Charges receivable by constituent
CHANDIGARH	0.00000	1.50820
DELHI	4.85720	0.00000
HARYANA	0.00000	8.31830
H.P.	5.43960	0.00000
J&K	50.88210	0.00000
PUNJAB	8.16280	0.00000
RAJASTHAN	0.00000	17.94590
U.P.	0.00000	69.54070
UTTARAKHAND	0.56730	0.00000
Total payable / receivable	69.90900	97.31310

Charges due to inter-constituent Reactive energy exchanges under low / high voltage conditions

(All figs. in Rs. Lakh)

Payable By \ To	CHD	DLI	HYN	H.P.	J&K	PUN	RAJ	U.P.	UPCL
CHD			0			0.263			
DLI	0.1461						-1.4238	-0.08080	
HYN				-4.0511		0.3771			
H.P.			6.3321			-0.5527			1.0921
J&K						0.4993			
PUN	-3.8722		-0.0005	0.2728	-0.5088		0		
RAJ		1.3959				0		5.5737	
U.P.		0.0576					-0.9246		-1.0991
UPCL				-0.3879				20.3317	

Note : Charges shown in a row are based on the readings recorded by the SEMs installed at the periphery of the constituent indicated in the first column. Inter-constituent reactive energy charges are to be settled between the concerned constituents as per the directives of CERC. The constituent shown in the first column has to pay the charges to another constituent(s) indicated in other column(s) if the figures are positive, otherwise it has to receive the charges from the other constituent.

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ABSTRACT OF INTER- CONSTITUENT REACTIVE ENERGY CHARGES DURING THE WEEK 16-Aug-10 TO 22-Aug-10
(Rate of Reactive Energy exchanges : 10.00 P/kVARh)

Payable By \ To	(All figs. in Rs. Lakh)									
	CHD	DLI	HYN	H.P.	J&K	PUN	RAJ	U.P.	UPCL	TOTAL
CHD	--	--	--	--	--	0.26300	--	--	--	0.26300
DLI	--	--	--	--	--	--	--	--	--	0.00000
HYN	--	--	--	--	--	0.00050	--	--	--	0.00050
H.P.	--	--	4.05110	--	--	--	--	--	0.38790	4.43900
J&K	--	--	--	--	--	0.49930	--	--	--	0.49930
PUN	--	--	--	0.27280	--	--	--	--	--	0.27280
RAJ	--	1.39590	--	--	--	--	--	0.92460	--	2.32050
U.P.	--	0.05760	--	--	--	--	--	--	--	0.05760
UPCL	--	--	--	--	--	--	--	1.09910	--	1.09910
TOTAL	0.00000	1.45350	4.05110	0.27280	0.00000	0.76280	0.00000	2.02370	0.38790	8.95180