

**EASTERN REGIONAL POWER COMMITTEE**  
**14, Golf Club Road, Kolkata -700 033**

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No. ERPC/COM-I/REA/2009/1396-1435

Date: 08.12.2009

To: As per list attached.

Sub: Provisional Regional Energy Accounting (REA) of Eastern Region for the month of NOVEMBER, 2009.

Sir,

Please find enclosed a copy of the ABT based Provisional Regional Energy Account for the month of November, 2009 for further necessary action by the constituents.

The following considerations were made in the preparation of REA for this month :

- a) The REA for the month has been prepared provisionally considering AFC existing till 31.03.2009 for all the ISGS & ISTS of the region ( until finalisation by CERC ) and based on norms as per provisions made in the CERC Tariff Regulation 2009.
- b) Revised Allocation order of MoP/CEA vide No. 5/ER/CSA/GM-2009/3506-11 dated 13.11.09 as intimated vide ERPC letter No. ERPC/COM-I/C.S. Share/2009/ ( refer Fax Msg. No. 761 ) dated 13.11.09 was given effect from 00:00 hrs. of 15.11.2009.
- c) ERLDC vide their letter dated 12.09.08 intimated that 50 MW power from Mejia Unit No. # 5 of DVC being scheduled to WBSEDCL as LTOA w.e.f. 00:00 hrs of 12.09.08 which has been given effect in the REA and the necessary agreement in this regard would be effected retrospectively from the date of scheduling by concerned parties. It is requested that a copy of the agreement and LTOA order may be sent to ERPC Secretariat for record.
- d) ERLDC started scheduling 100MW power to MPPTCL as LTOA from each Unit Nos. # 5& 6 of Mejia of DVC with effect from 19:00 Hrs of 24.09.08 which has also been given effect in the REA. With effect from 01.10.2008, 150MW power allocated to NR constituents from Mejia Unit# 6 has been considered as LTOA power to NR constituents.
- e) Like previous months, there were events of coal shortages declared by NTPC covering the month of November'09 in respect of Farakka STPS on the days of 1<sup>st</sup> to 4<sup>th</sup> Nov '09, in case of Kahalgaon STPS Stage I, all the days except 18<sup>th</sup> & 19<sup>th</sup> of Nov '09 & in case of Kahalgaon STPS Stage II on the days of 1<sup>st</sup> to 4<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup>, 11<sup>th</sup> to 15<sup>th</sup>, 17<sup>th</sup> and 19<sup>th</sup> to 22<sup>nd</sup> Nov'09.
- f) Also, there were events of withdrawals of coal shortage by NTPC, after declaration, on 06.11.09 & 10.11.09 in case of Kahalgaon STPS Stage II.
- g) The statement of short term bilateral transactions for the month of November' 09 will be issued separately.

Constituents are requested to intimate any discrepancy / error within two months from the date of issue of this provisional REA. In case of any discrepancy/error, the provisional REA would be revised based on re-examination, final decision and confirmation. In case no communication is received from any of the constituents indicating mistakes / discrepancy, the provisional REA as issued, would be treated as final.

Yours faithfully,

Encl.: As above.

**(Joydev Bandyopadhyay)**  
**Superintending Engineer (Comml.)**

## ERPC :: KOLKATA

### DISTRIBUTION LIST

- 1) CHIEF ENGINEER, TRANSMISSION (O&M), Bihar State Electricity Board, Vidyut Bhavan, Bailey Road, Patna-800021 (FAX:0612 2227557).
- 2) CHIEF ENGINEER (COMML.), Damodar Valley Corporation, DVC Tower, VIP Road, Kolkata-700054 ( FAX: 033 23552129 )
- 3) CHIEF ENGINEER (COMML. & REVENUE ), Jharkhand State Electricity Board, HEC Engineering Building, Dhurva, Ranchi-834002 (FAX : 0651 2400799 / 2490486 ).
- 4) Addl. Chief Engineer (SLDC/EHV), Deptt. of Power, Govt. of Sikkim, Kazi Road, Gangtok-737101 (FAX:03592 202927/209199)
- 5) CHIEF ENGINEER (COMML.), West Bengal State Electricity Distribution Company Limited, Bidyut Bhavan, 8<sup>th</sup> Floor, Bidhannagar, Kolkata-700091 (FAX : 033 2359 8398 )
- 6) Addl. General Manager (Commercial), NTPC Ltd., Loknayak Jaiprakash Bhawan, Dakbunglow Chowk, Patna-800001(FAX: 0612 2230035 / 2224287 )
- 7) Regional Executive Director (East-II), 3<sup>rd</sup> Floor, OCHC Building (New), 24, Janpath, Bhubaneswar - 751001 (Fax No. 0674-2394857)
- 8) Addl. General Manager (Commercial), ERTS-I, POWERGRID, Boring Road, Alankar Place, Patna-800001.( FAX: 0612 2234097/2228984)
- 9) Chief (F & A), Commercial Division, NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad-121003 ( FAX : 0129 2254668)
- 10) General Manager, ERLDC, 14 Golf Club Road, Kolkata-700033 (FAX: 033 2423 3648)
- 11) Sr. General Manager (PP), GRIDCO, 4th Floor, Vidyut Bhavan, Saheed Nagar, Bhubaneswar-751007
- 12) Chief Engineer (GM),CEA, 6<sup>th</sup> Floor,Sewa Bhawan,R.K.Puram, NewDelhi-110066 (FAX: 011 26109750)
- 13) Member Secretary,WRPC, MIDC Area, Marol, Andheri(E), Mumbai-400093 (FAX : 022 2837 0193 ).
- 14) Member Secretary,NRPC,Katwaria Sarai,18A SJSS Marg,New Delhi-16 (FAX 01126865206 ).
- 15) Member Secretary, SRPC, 29, Race Course Road,Banglore-560009 (FAX : 080 2259343 ).
- 16) Member Secretary, NERPC, ' MEGHALAYA STATE HOUSING FINANCE CO-OPERATIVE SOCIETY LTD' (Behind BETHANY HOSPITAL), Nongrim Hills, Shillong-793003
- 17) Chief Engineer (Commercial), MP Power Trading Co. Ltd., Shakti Bhawan,Vidyut Nagar, Jabalpur-482008.
- 18) Chief Engineer(PP), MSEDCL, Prakashgarh, 4<sup>th</sup> Floor, Bandra(East), Mumbai- 400051.
- 19) Chief Engineer.(Commercial), CSEB, Dandania, Post Sunder Nagar, Raipur-492013.
- 20) Executive Engineer, Electricity Department, Administration of Dadra and Nager Haveli, SILVASSA, Via. VAPI, PIN : 396 230.
- 21) Executive Engineer, Electricity Department, Administration of Daman & Diu, Power House Building, Nani Daman – 396 210.
- 22) Superintending Engineer (Commercial), Electricity Department, Panaji, Goa.
- 23) Chief Engineer(Operation),Main Load Despatch Centre,TNEB,802Anna Salai,Chennai-600002.
- 24) General Manager, Energy Accounts Dept., UPPCL, Shakti Bhawan Extn., 14Ashok Marg, Lucknow-226001.
- 25) Chief Engineer(Comml & Survey Wing), Power Dept.,Govt. of J&K, GLADNI,Jammu-180006.
- 26) Chief Engineer , Rajasthan Power Procurement Centre, Bidyut Bhavan, Janpath, Jaipur.
- 27) Chief Engineer (Commercial), Delhi Transco Ltd., 33 kV S/s,Minto Road,New Delhi-110002.
- 28) Director (Interstate Billing), PSEB, 220 Kv Grid S/s, The Mall, Patiala-147001.
- 29) Chief Engineer (Commercial), HVPNL .,Shakti Bhawan,Sector-6,Panch kula-134109.
- 30) GM (Commercial-Tariff), ASEB, Bijulee Bhawan, Paltan Bazar, Guwahati- 781001.
- 31) Chief Engineer (Power ), Deptt. of Power, Govt. of Nagaland, Kohima –797 001.
- 32) Member (Technical) MeSEB, Lumjingshai, Short Round Road, Shillong.
- 33) GM (Regulation & Tariff Cell), OPTCL, Janpath, Bhubaneswar-751022.
- 34) Vice President (CS-CB), PTC India Limited, 2<sup>nd</sup> Floor, NBCC Tower, 15, Bikaji Cama Place, New Delhi –110065 ( FAX : 011 41659142 )
- 35) Executive Director(Finance), Gujarat Urja Vikas Nigam Ltd., Sardar Patel Vidyut Bhavan, Race Course, Vadodara – 390007.
- 36) Chief G. M., Utrakhand Power Corp. Ltd., Urja Bhawan, Kanwali Road, Dehradun - 248006.
- 37) Superintending Engineer(E), UT of Chandigarh, 5<sup>th</sup> Floor, New Addl. Office Bldg., Sector-9D, Chandigarh-160 009.
- 38) Chief Engineer (System Operation), Himachal Pradesh State Electricity Board, Vidyut Bhawan, Kumar House Complex , Block-II, Shimla-171004.
- 39) S.E.-I, Electricity Department, N0.137, NSC Bose Salai, Puducherry-605001.
- 40) Chief Engineer (Comml), APPCC, Vidyut Soudha, Hyderabad-82.

## EASTERN REGIONAL POWER COMMITTEE :: KOLKATA

## REGIONAL ENERGY ACCOUNTING FOR THE MONTH OF NOVEMBER, 2009

(\*) C.O.D. OF UNIT # 5 OF KhSTPS STAGE - II ON 00:00 HRS. OF 01.08.2008

(\*) C.O.D. OF UNIT # 6 OF KhSTPS STAGE - II ON 00:00 HRS. OF 30.12.2008

## A. NTPC POWER STATIONS

	FSTPS STAGE-I	KhSTPS STAGE-I	KhSTPS STAGE-II (*)	TSTPS STAGE-I
1 Installed Capacity (MW) :	1600	840	1000	1000
2 Normative Auxiliary Energy Consumption as per CERC Tariff Notification (%) :	6.9375	9.0000	6.5000	6.5000
3 Ex-Bus Normative Capacity at 100% availability (MW) :	1489.0	764.4	935.0	935.0
4 Annual Fixed Charge (AFC) in Rs. : (85% and above)	5183300000	3167900000	5153800000	3973000000
5 Average Declared capacity (DC) for the month (ex-bus MW) :	998.01	504.88	381.11	818.86
6 Average Declared capacity (DC) for the month (ex-bus %) -- PAFM :	67.03	66.05	40.76	87.58
7 Cumulative Availabilty (FY:2008-09) including the current month (%) :	67.25	64.92	56.14	81.40
8 Capacity charge (inclusive of incentive) payable in the current month in Rs. : [ AFC x ( NDM / NDY ) x ( PAFM / NAPAF ) ] [ AFC x ( NDM / NDY ) x ( 0.5 +0.5 x PAFM / NAPAF ) ]	335958033	202326957	313364329	336459636
9 Cumulative Capacity Charge (incl. of incentive) including current month in Rs.	2741605667	1005875895	1607928289	2543261686
10 Total Scheduled Generation for the current month (MWH) :	674220.02	360996.96	271484.11	579877.40

EASTERN REGIONAL POWER COMMITTEE :: KOLKATA			
REGIONAL ENERGY ACCOUNTING FOR THE MONTH OF NOVEMBER, 2009			
STATION : FSTPS STAGE - I			
CAPACITY CHARGES ( INCLUSIVE OF INCENTIVE, IF ANY ) & ENERGY CHARGES BILLING			
BENEFICIARIES	SHARE ALLOCATION OF CURRENT MONTH	CAPACITY CHARGE INCLUSIVE OF INCENTIVE PAYABLE BY THE BENEFICIARIES	DRAWAL SCHUDULE
	( % )	(Rs. )	(MWH)
<b>ER:</b>			
BIHAR	26.246889	88178532	188421.45
JHARKHAND	6.311779	21204929	45380.33
DVC	0.000000	0	0.00
ORISSA	13.630000	45791080	97941.09
WEST BENGAL	28.810000	96789509	164211.68
SIKKIM	1.630000	5476116	11712.69
<b>SUB-TOTAL</b>	<b>76.628668</b>	<b>257440166</b>	<b>507667.24</b>
<b>SR:</b>			
ANDHRA PRADESH	4.171333	14013928	
KARNATAKA	0.000000	0	
TAMILNADU	3.535333	11877235	
KERALA	0.000000	0	
PONDICHERRY	0.328167	1102503	
<b>SUB-TOTAL</b>	<b>8.034833</b>	<b>26993667</b>	<b>56146.70</b>
<b>WR:</b>			
CHHATTISGARH	0.000000	0	
GUJARAT	0.000000	0	
MADHYA PRADESH	0.000000	0	
MAHARASTRA	0.000000	0	
DADRA & NAGAR HAVELI	0.000000	0	
DAMAN & DIU	0.000000	0	
GOA	0.000000	0	
<b>SUB-TOTAL</b>	<b>0.000000</b>	<b>0</b>	<b>0.00</b>
<b>NR:</b>			
UTTAR PRADESH	2.760000	9272442	
HARYANA	1.097055	3685644	
RAJASTHAN	0.910000	3057218	
J & K	1.855555	6233886	
HIMACHAL PRADESH	0.000000	0	
DELHI	1.850000	6215224	
PUNJAB	2.039000	6850184	
UTTARAKHAND	0.000000	0	
CHANDIGARH	0.000000	0	
<b>SUB-TOTAL</b>	<b>10.511610</b>	<b>35314598</b>	<b>74258.01</b>
<b>NER :</b>			
ASSAM	4.185445	14061339	
MEGHALAYA	0.000000	0	
NAGALAND	0.639444	2148263	
<b>SUB-TOTAL</b>	<b>4.824889</b>	<b>16209602</b>	<b>36148.07</b>
<b>GRAND TOTAL</b>	<b>100.000000</b>	<b>335958033</b>	<b>674220.02</b>

EASTERN REGIONAL POWER COMMITTEE :: KOLKATA			
REGIONAL ENERGY ACCOUNTING FOR THE MONTH OF NOVEMBER, 2009			
STATION : KhSTPS STAGE - I CAPACITY CHARGES ( INCLUSIVE OF INCENTIVE, IF ANY ) & ENERGY CHARGES BILLING			
BENEFICIARIES	SHARE ALLOCATION OF CURRENT MONTH	CAPACITY CHARGE INCLUSIVE OF INCENTIVE PAYABLE BY THE BENEFICIARIES	DRAWAL SCHUDULE
	( % )	(Rs. )	(MWH)
<b>ER:</b>			
BIHAR	31.199222	63124437	113729.42
JHARKHAND	1.746000	3532629	6352.90
DVC	0.000000	0	0.00
ORISSA	15.240000	30834628	55399.27
WEST BENGAL	0.000000	0	0.00
SIKKIM	1.550000	3136068	5634.44
SUB-TOTAL	49.735222	100627761	181116.03
<b>SR:</b>			
ANDHRA PRADESH	3.300667	6678139	
KARNATAKA	0.000000	0	
TAMILNADU	2.959333	5987528	
KERALA	0.000000	0	
PONDICHERRY	0.325722	659023	
SUB-TOTAL	6.585722	13324691	24023.20
<b>WR:</b>			
CHHATTISGARH	0.000000	0	
GUJARAT	0.000000	0	
MADHYA PRADESH	0.000000	0	
MAHARAstra	0.000000	0	
DADRA & NAGAR HAVELI	0.000000	0	
DAMAN & DIU	0.000000	0	
GOA	0.000000	0	
SUB-TOTAL	0.000000	0	0.00
<b>NR:</b>			
UTTAR PRADESH	11.320000	22903412	
HARYANA	4.227611	8553597	
RAJASTHAN	3.780000	7647959	
J & K	5.287333	10697700	
HIMACHAL PRADESH	0.000000	0	
DELHI	7.540000	15255453	
PUNJAB	7.985667	16157157	
UTTARAKHAND	0.000000	0	
CHANDIGARH	0.000000	0	
SUB-TOTAL	40.140611	81215277	143515.66
<b>NER :</b>			
ASSAM	2.819556	5704722	
MEGHALAYA	0.000000	0	
NAGALAND	0.568889	1151016	
SUB-TOTAL	3.388445	6855738	11796.81
POWERGRID(PUSAULI)	0.150000	303490	545.26
<b>GRAND TOTAL</b>	<b>100.000000</b>	<b>202326957</b>	<b>360996.96</b>

EASTERN REGIONAL POWER COMMITTEE :: KOLKATA			
REGIONAL ENERGY ACCOUNTING FOR THE MONTH OF NOVEMBER, 2009			
STATION : KhSTPS STAGE - II			
CAPACITY CHARGES ( INCLUSIVE OF INCENTIVE, IF ANY ) & ENERGY CHARGES BILLING			
BENEFICIARIES	SHARE ALLOCATION OF CURRENT MONTH	CAPACITY CHARGE INCLUSIVE OF INCENTIVE PAYABLE BY THE BENEFICIARIES	DRAWAL SCHUDULE
	( % )	(Rs. )	(MWH)
<b>ER:</b>			
BIHAR	6.670000	20901401	18302.51
JHARKHAND	1.670000	5233184	4582.48
DVC	0.000000	0	0.00
ORISSA	0.600000	1880186	1646.40
WEST BENGAL	0.000000	0	0.00
SIKKIM	0.330000	1034102	905.52
<b>SUB-TOTAL</b>	<b>9.270000</b>	<b>29048873</b>	<b>25436.91</b>
<b>SR:</b>			
ANDHRA PRADESH	0.000000	0	
KARNATAKA	0.000000	0	
TAMILNADU	0.000000	0	
KERALA	0.000000	0	
PONDICHERRY	0.000000	0	
<b>SUB-TOTAL</b>	<b>0.000000</b>	<b>0</b>	<b>0.00</b>
<b>WR:</b>			
CHHATTISGARH	2.000000	6267287	
GUJARAT	9.400000	29456247	
MADHYA PRADESH	4.930000	15448861	
MAHARASTRA	9.870000	30929059	
DADRA & NAGAR HAVELI	0.200000	626729	
DAMAN & DIU	0.130000	407374	
GOA	0.000000	0	
<b>SUB-TOTAL</b>	<b>26.530000</b>	<b>83135557</b>	<b>71313.04</b>
<b>NR:</b>			
UTTAR PRADESH	17.160000	53773319	
HARYANA	4.720000	14790796	
RAJASTHAN	7.250000	22718914	
J & K	5.730000	17955776	
HIMACHAL PRADESH	1.530000	4794474	
DELHI	10.770000	33749338	
PUNJAB	8.310000	26040576	
UTTARAKHAND	1.870000	5859913	
CHANDIGARH	0.200000	626729	
<b>SUB-TOTAL</b>	<b>57.540000</b>	<b>180309835</b>	<b>156459.09</b>
<b>NER :</b>			
ASSAM	5.060000	15856235	
MEGHALAYA	1.600000	5013829	
NAGALAND	0.000000	0	
<b>SUB-TOTAL</b>	<b>6.660000</b>	<b>20870064</b>	<b>18275.07</b>
<b>GRAND TOTAL</b>	<b>100.000000</b>	<b>313364329</b>	<b>271484.11</b>

EASTERN REGIONAL POWER COMMITTEE :: KOLKATA			
REGIONAL ENERGY ACCOUNTING FOR THE MONTH OF NOVEMBER, 2009			
STATION : TSTPS STAGE - I			
CAPACITY CHARGES ( INCLUSIVE OF INCENTIVE, IF ANY ) & ENERGY CHARGES BILLING			
BENEFICIARIES	SHARE ALLOCATION OF CURRENT MONTH	CAPACITY CHARGE INCLUSIVE OF INCENTIVE PAYABLE BY THE BENEFICIARIES	DRAWAL SCHUDULE
	( % )	(Rs. )	(MWH)
<b>ER:</b>			
BIHAR	37.996666	127843444	223706.40
JHARKHAND	6.247556	21020504	36835.48
DVC	0.310000	1043025	1827.69
ORISSA	31.800000	106994164	187485.17
WEST BENGAL	9.100000	30617827	43952.82
SIKKIM	2.400000	8075031	14149.82
SUB-TOTAL	87.854222	295593995	507957.38
<b>SR:</b>			
ANDHRA PRADESH	3.438667	11569726	
KARNATAKA	0.000000	0	
TAMILNADU	3.017333	10152108	
KERALA	0.000000	0	
PONDICHERRY	0.349556	1176115	
SUB-TOTAL	6.805556	22897949	39985.95
<b>WR:</b>			
CHHATTISGARH	0.000000	0	
GUJARAT	0.000000	0	
MADHYA PRADESH	0.000000	0	
MAHARASTRA	0.000000	0	
DADRA & NAGAR HAVELI	0.000000	0	
DAMAN & DIU	0.000000	0	
GOA	0.000000	0	
SUB-TOTAL	0.000000	0	0.00
<b>NR:</b>			
UTTAR PRADESH	0.000000	0	
HARYANA	0.425639	1432103	
RAJASTHAN	0.000000	0	
J & K	0.735555	2474846	
HIMACHAL PRADESH	0.000000	0	
DELHI	0.000000	0	
PUNJAB	0.423695	1425563	
UTTARAKHAND	0.000000	0	
CHANDIGARH	0.000000	0	
SUB-TOTAL	1.584889	5332512	9248.68
<b>NER :</b>			
ASSAM	3.174222	10679976	
MEGHALAYA	0.000000	0	
NAGALAND	0.581111	1955204	
SUB-TOTAL	3.755333	12635180	22685.39
<b>GRAND TOTAL</b>	<b>100.000000</b>	<b>336459636</b>	<b>579877.40</b>

## EASTERN REGIONAL POWER COMMITTEE :: KOLKATA

## REGIONAL ENERGY ACCOUNTING FOR THE MONTH OF NOVEMBER, 2009

## BA. STATION : RANGIT HPS

## CAPACITY CHARGES ( INCLUSIVE OF INCENTIVE ) &amp; ENERGY CHARGES BILLING STATEMENT

1	Installed Capacity ( MW ) :	60
2	Auxiliary Energy Consumption (AUX) in ( % ) :	1.0
3	Normative Plant Availability Factor - NAPAF ( % ) :	85
4	Annual Design Energy in MU :	338.61
5	Free Energy for Home State - FEHS ( % ) :	12
6	Annual Saleable Energy in MU [ { DE x ( 100 - AUX ) x ( 100 - FEHS ) / 10000 } ]	294.997032
7	Annual Fixed Charge (Rs.)	468023000
8	Energy Charge Rate (ECR) on ex-power plant basis in Rs. / kWh: [ AFC x 0.5 x 10 / { DE x ( 100 - AUX ) x ( 100 - FEHS ) } ]	0.793
9	Scheduled Energy ( ex-bus ) of the month (MWH) :	27802.67
10	Free Energy (ex-bus) of the month :	3336.320
11	Saleable Energy ( ex-bus ) of the month :	24466.350
12	Total Energy Charge payable for the month in Rs. : [ ECR x { Sch. Energy (ex-bus) for the month in kWh x ( 100 - FEHS ) / 100 } ]	19401815
13	Cumulative Schedule Energy including current month (MWH) :	264569.79
14	Plant Availability Factor (PAFM) achieved during the month ( % ) :	96.37
15	Capacity Charge inclusive of incentive payable for the month (Rs.) : [ AFC x 0.5 x ( NDM / NDY ) x ( PAFM / NAPAF ) ]	21806628
16	Ex-Bus Energy Generated during month in MWH :	27805.476
17	Cumulative Ex-bus Energy Generated incl. current month in MWH :	265198.632
18	Actual Total Energy Generated during the year in MU : [ Ex-Bus Energy Genrated during the year x 100 / ( 100 - AUX ) ]	

## BILLING STATEMENT :

BENEFICIARIES	SHARE ALLOCATION FOR THE CURRENT MONTH ( % )	CAPACITY CHARGE INCLUSIVE OF INCENTIVE PAYABLE BY THE BENEFICIARIES (Rs.)	DRAWAL SCHUDULE OF THE BENEFICIARIES (MWH)	ENERGY CHARGES PAYABLE BY THE BENEFICIARIES (Rs.)
BIHAR	35.000000	8673091	9730.92	7716631
JHARKHAND	13.330000	3303209	3706.10	2938934
DVC	10.000000	2478026	2780.27	2204752
ORISSA	0.000000	0	0.00	0
WEST BENGAL	28.340000	7022726	7879.28	6248266
SIKKIM	13.330000	329577	3706.10	293232
<b>TOTAL</b>	<b>100.000000</b>	<b>21806628</b>	<b>27802.67</b>	<b>19401815</b>

## EASTERN REGIONAL POWER COMMITTEE :: KOLKATA

## REGIONAL ENERGY ACCOUNTING FOR THE MONTH OF NOVEMBER, 2009

## BB. STATION : TEESTA STAGE - V HPS

## CAPACITY CHARGES ( INCLUSIVE OF INCENTIVE ) &amp; ENERGY CHARGES BILLING STATEMENT

1	Installed Capacity ( MW ) :	170 UPTO 24:00 HRS. OF 02.04.08 340 FROM 00:00 HRS. OF 03.04.08 AFTER COD UNIT # 3 510 FROM 00:00 HRS. OF 10.04.08 AFTER COD UNIT # 1	
2	Auxiliary Energy Consumption (AUX) in ( % ) :		1.2
3	Normative Plant Availability Factor - NAPAF ( % ) :		85
4	Annual Design Energy in MU :		2572.67
5	Free Energy for Home State - FEHS ( % ) :		12
6	Annual Saleable Energy in MU : [ { DE x ( 100 - AUX ) x ( 100 - FEHS ) / 10000 } ]		2236.78220
7	Annual Fixed Charge (Rs.)		REFER NOTE: 1. BELOW
8	Energy Charge Rate (ECR) on ex-power plant basis in Rs. / kWh: [ AFC x 0.5 x 10 / { DE x ( 100 - AUX ) x ( 100 - FEHS ) } ]		REFER NOTE: 1. BELOW
9	Scheduled Energy ( ex-bus ) of the month (MWH) :		143261.250
10	Free Energy ( ex-bus ) of the month :		17191.350
11	Saleable Energy ( ex-bus ) of the month :		126069.900
12	Total Energy Charge payable for the month in Rs. : [ ECR x { Sch. Energy (ex-bus) for the month in kWh x ( 100 - FEHS ) / 100 } ]		REFER NOTE: 1. BELOW
13	Cumulative Schedule Energy including current month (MWH) :		2228085.47
14	Plant Availability Factor achieved during the month - PAFM ( % ) :		99.02
15	Capacity Charge inclusive of incentive payable for the month (Rs.) : [ AFC x 0.5 x ( NDM / NDY ) x ( PAFM / NAPAF ) ]		REFER NOTE: 1. BELOW
16	Actual Ex-Bus Energy Generated during month in MWH :		142698.039
17	Cumulative Actual Ex-bus Energy Generated incl. current month in MWH :		2231814.384
18	Actual Total Energy Generated during the year in MU : [ Actual Ex-Bus Energy Genrated during the year x 100 / ( 100 - AUX ) ]		

## BILLING STATEMENT :

BENEFICIARIES	SHARE ALLOCATION FOR THE CURRENT MONTH	CAPACITY CHARGE INCLUSIVE OF INCENTIVE PAYABLE BY THE BENEFICIARIES	DRAWAL SCHUDULE OF THE BENEFICIARIES	ENERGY CHARGES PAYABLE BY THE BENEFICIARIES
	( % )	(Rs.)	(MWH)	(Rs.)
BIHAR	21.260000		30457.34	
JHARKHAND	12.340000		17678.44	
DVC	8.640000		12377.77	
ORISSA	20.590000		29497.49	
WEST BENGAL	23.980000		34354.05	
SIKKIM	13.190000		18896.16	
TOTAL	100.000000		143261.25	REFER NOTE: 1. BELOW

1. Refer latest CERC order dated 31.03.08 in Petition No.9/2008 where provisional tariff @ Rs. 1.62 per unit ( composite ) from 01.03.04 to 31.03.09 has been accepted for Teesta Stage V HEP power generation.

## EASTERN REGIONAL POWER COMMITTEE :: KOLKATA

## REGIONAL ENERGY ACCOUNTING FOR THE MONTH OF NOVEMBER, 2009

## C. CHUKHA HPS

BIRPARA RECEIPT (MWH) : 130532.561

Re-import by Bhutan incl. Loss (MWH) : 101.455

## BILLING STATEMENT :

BENEFICIARY	% SHARE ALLOCATION	ENERGY BOOKED (MWH)
BIHAR	29.63	38676.798
JHARKHAND	10.74	14019.197
DVC	10.37	13536.227
ORISSA	15.19	19827.896
WEST BENGAL	31.85	41574.621
SIKKIM	2.22	2897.823
<b>TOTAL</b>	<b>100.00</b>	<b>130532.561</b>

NOTE: After adjustment of re-import by Bhutan,

WBSEDCL will pay for (MWH) : 41473.166

## D. KURICHHU HPS

KURICHHU RECEIPT (MWH) : 8464.052

## BILLING STATEMENT :

BENEFICIARY	% SHARE ALLOCATION	ENERGY BOOKED (MWH)
BIHAR	0.00	0.000
JHARKHAND	0.00	0.000
DVC	50.00	4232.0260
WEST BENGAL	50.00	4232.0260
SIKKIM	0.00	0.000
<b>TOTAL</b>	<b>100.00</b>	<b>8464.052</b>

## E. TALA HPS

BINAGURI RECEIPT (MWH) : 183663.092

## BILLING STATEMENT :

BENEFICIARY	% SHARE ALLOCATION	ENERGY BOOKED (MWH)
ER		
BIHAR	25.50	46834.088
JHARKHAND	11.46	21047.790
DVC	5.54	10174.935
ORISSA	4.25	7805.681
WEST BENGAL	38.25	70251.133
<b>SUB-TOTAL</b>	<b>85.00</b>	<b>156113.628</b>
NR		
UTTAR PRADESH	4.41	8099.542
RAJASTHAN	1.47	2699.847
J & K	1.77	3250.837
HARYANA	1.47	2699.847
PUNJAB	2.94	5399.695
DELHI	2.94	5399.695
<b>SUB-TOTAL</b>	<b>15.00</b>	<b>27549.464</b>
<b>GRAND TOTAL</b>	<b>100.00</b>	<b>183663.092</b>

NOTE : ENERGY WHEELED BY SIKKIM TO WEST BENGAL THROUGH MELLI-KALIMPONG LINE :

4425.832 MWH

## EASTERN REGIONAL POWER COMMITTEE :: KOLKATA

## REGIONAL ENERGY ACCOUNTING FOR THE MONTH OF NOVEMBER, 2009

## F1. PAYMENT OF TRANSMISSION CHARGES OF ISTS

## TRANSMISSION CHARGES ( INCLUSIVE OF INCENTIVE ) BILLING STATEMENT

<b><u>FOR REGIONAL SYSTEM ( EASTERN)</u></b>		
1	Annual Fixed Cost (AFC) for the year (Rs.) [ Powergrid Figures as on 31.03.2009 ] :	6978448000
2	Normative Annual Transmission Availability Factor (NATAF) for AC system ( % ) :	98.00
3	As estimated by Powergrid,Transmission System Availability Factor (TAFM) for the month ( % ) :	99.8890
4	Transmission Charge ( inclusive of incentive ) payable for the current month ( Rs. ) : [ AFC x (NDM / NDY ) x ( TAFM / NATAF ) ]	584626943
5	Transmission System Availability Factor (TAFM) considered in REA for the previous month ( % ) :	99.889
6	As verified by ERLDC and certified by Member Secretary (ERPC), Transmission System Availability Factor (TAFM) for the previous month ( % ) :	99.887
7	Transmission Charges considered for the previous month (Rs.) :	604114508
8	Transmission Charges to be paid as per certified TAFM for the previous month (Rs.) :	604102413
9	Adjustment to be made in Transmission Charges for the previous month (Rs.) : ( 8 - 7 )	-12095
<b><u>FOR INTER-REGIONAL SYSTEM ( EASTERN - NORTH EASTERN)</u></b>		
1	Annual Fixed Cost (AFC) for the year (Rs.) [ Powergrid Figures as on 31.03.2009 ( 50 % )-Provisional ] :	148313000
2	Normative Annual Transmission Availability Factor (NATAF) for AC system ( % ) :	98.00
3	As estimated by Powergrid,Transmission System Availability Factor (TAFM) for the month ( % ) :	99.596
4	Transmission Charge ( inclusive of incentive ) payable for the current month ( Rs. ) : [ AFC x (NDM / NDY ) x ( TAFM / NATAF ) ]	12388634
5	Transmission System Availability Factor (TAFM) considered in REA for the previous month ( % ) :	99.596
6	As verified by ERLDC and certified by Member Secretary (ERPC), Transmission System Availability Factor (TAFM) for the previous month ( % ) :	99.596
7	Transmission Charges considered for the previous month (Rs.) :	12801589
8	Transmission Charges to be paid as per certified TAFM for the previous month (Rs.) :	12801589
9	Adjustment to be made in Transmission Charges for the previous month (Rs.) : ( 8 - 7 )	0

S.E.(Commercial)

**EASTERN REGIONAL POWER COMMITTEE :: KOLKATA**  
**REGIONAL ENERGY ACCOUNTING FOR THE MONTH OF NOVEMBER, 2009**

**F2. PAYMENT OF TRANSMISSION CHARGES OF ISTS**

BENEFICIARIES	TOTAL WT. AVERAGE ALLOCATION FOR THE MONTH (MW)	% SHARE ALLOCATION FOR THE MONTH (WEIGHTED AVERAGE) (%)	TRANSMISSION CHARGE PAYABLE BY BENEFICIARIES	
			(Rs. )	(Rs. )
			SYSTEM	SYSTEM
			REGIONAL	INTER-REGIONAL
<b>ER:</b>				
BIHAR	1598	22.222711	129919956	4274482
JHARKHAND	412	5.723898	33463450	1100977
DVC	168	2.331413	13630069	448441
ORISSA	1059	14.731570	86124727	2833580
WEST BENGAL	1247	17.344803	101402392	3336229
SIKKIM	148	2.053180	12003443	394924
<b>SUB-TOTAL</b>	<b>4631</b>	<b>64.407575</b>	<b>376544037</b>	<b>12388634</b>
<b>SR:</b>				
ANDHRA PRADESH	129	1.791669	10474580	
KARNATAKA	0	0.000000	0	
TAMILNADU	112	1.551722	9071785	
KERALA	0	0.000000	0	
PONDICHERRY	11	0.159657	933398	
<b>SUB-TOTAL</b>	<b>252</b>	<b>3.503048</b>	<b>20479762</b>	<b>0</b>
<b>WR:</b>				
CHHATTISGARH	22	0.303400	1773758	
GUJARAT	94	1.307040	7641308	
MADHYA PRADESH	249	3.466438	20265731	
MAHARASTRA	99	1.372393	8023379	
DADRA & NAGAR HAVELI	2	0.027809	162579	
DAMAN & DIU	1	0.018076	105677	
GOA	0	0.000000	0	
<b>SUB-TOTAL</b>	<b>467</b>	<b>6.495156</b>	<b>37972432</b>	<b>0</b>
<b>NR:</b>				
UTTAR PRADESH	400	5.560901	32510526	
HARYANA	134	1.866220	10910425	
RAJASTHAN	149	2.064929	12072131	
J & K	175	2.426535	14186177	
HIMACHAL PRADESH	15	0.212742	1243747	
DELHI	490	6.813630	39834317	
PUNJAB	246	3.426512	20032312	
UTTARAKHAND	19	0.260018	1520135	
CHANDIGARH	2	0.027809	162579	
<b>SUB-TOTAL</b>	<b>1630</b>	<b>22.659296</b>	<b>132472350</b>	<b>0</b>
<b>NER:</b>				
ASSAM	173	2.405422	14062745	
MEGHALAYA	16	0.222475	1300649	
NAGALAND	21	0.289508	1692542	
<b>SUB-TOTAL</b>	<b>210</b>	<b>2.917405</b>	<b>17055936</b>	<b>0</b>
<b>POWERGRID</b>	<b>1.26</b>	<b>0.017520</b>	<b>102427</b>	<b>0</b>
<b>GRAND TOTAL</b>	<b>7191.82</b>	<b>100.000000</b>	<b>584626943</b>	<b>12388634</b>

Note 1 : CTU (PG) is to raise bills to the beneficiaries applying the above Percentage Share Allocation

Note 2 : POWERGRID Shall Adjust Monthly Transmission Charges Recovered From "ST" Customers & Submit Details to ERPC SECTT.

Note 3 : 1.82 MW of Hirakud power at GRIDCO periphery for CSEB has been given effect from 4th September'06 as per MOP/GOI letter vide no. 42/4/2005-R&R Dated 17-08-2006.

Note 4 : 10% home state share from TSTPS Stage-II allocated to Orissa w.e.f. 22.04.2007 has been given effect.

Note 5 : DTL (DVC) : 230+ MW AS LTOA AMONG OTHERS

Note 6 : MPPTCL (DVC) : 200 MW AS LTOA AMONG OTHERS

**EASTERN REGIONAL POWER COMMITTEE :: KOLKATA**  
**REGIONAL ENERGY ACCOUNTING FOR THE MONTH OF NOVEMBER, 2009**

**F3. ADJUSTMENT PAYMENT OF TRANSMISSION CHARGES OF ISTS FOR THE PREVIOUS MONTH**

BENEFICIARIES	TOTAL WT. AVERAGE ALLOCATION FOR THE PREV. MONTH (MW)	% SHARE ALLOCATION FOR THE PREV. MONTH (WEIGHTED AVERAGE) (%)	ADJUSTMENT OF TRANSMISSION CHARGES PAYABLE BY BENEFICIARIES FOR THE PREVIOUS MONTH	
			(Rs.)	(Rs.)
			SYSTEM	SYSTEM
			REGIONAL	INTER-REGIONAL
<b>ER:</b>				
BIHAR	1617	22.482594	-2719	0
JHARKHAND	412	5.722103	-692	0
DVC	168	2.331413	-282	0
ORISSA	1059	14.731570	-1782	0
WEST BENGAL	1247	17.344803	-2098	0
SIKKIM	148	2.053180	-248	0
<b>SUB-TOTAL</b>	<b>4650</b>	<b>64.665663</b>	<b>-7822</b>	<b>0</b>
<b>SR:</b>				
ANDHRA PRADESH	102	1.417094	-171	
KARNATAKA	0	0.000000	0	
TAMILNADU	65	0.897220	-109	
KERALA	0	0.000000	0	
PONDICHERRY	11	0.159834	-19	
<b>SUB-TOTAL</b>	<b>178</b>	<b>2.474148</b>	<b>-299</b>	<b>0</b>
<b>WR:</b>				
CHHATTISGARH	22	0.303400	-37	
GUJARAT	94	1.307040	-158	
MADHYA PRADESH	249	3.466438	-419	
MAHARASTRA	99	1.372393	-166	
DADRA & NAGAR HAVELI	2	0.027809	-3	
DAMAN & DIU	1	0.018076	-2	
GOA	0	0.000000	0	
<b>SUB-TOTAL</b>	<b>467</b>	<b>6.495156</b>	<b>-786</b>	<b>0</b>
<b>NR:</b>				
UTTAR PRADESH	400	5.560901	-673	
HARYANA	201	2.798097	-338	
RAJASTHAN	149	2.064929	-250	
J & K	149	2.075664	-251	
HIMACHAL PRADESH	15	0.212742	-26	
DELHI	490	6.813630	-824	
PUNJAB	313	4.358381	-527	
UTTARAKHAND	19	0.260018	-31	
CHANDIGARH	2	0.027809	-3	
<b>SUB-TOTAL</b>	<b>1738</b>	<b>24.172171</b>	<b>-2924</b>	<b>0</b>
<b>NER:</b>				
ASSAM	120	1.663928	-201	
MEGHALAYA	16	0.222475	-27	
NAGALAND	21	0.288939	-35	
<b>SUB-TOTAL</b>	<b>157</b>	<b>2.175342</b>	<b>-263</b>	<b>0</b>
<b>POWERGRID</b>	<b>1.26</b>	<b>0.017520</b>	<b>-2</b>	<b>0</b>
<b>GRAND TOTAL</b>	<b>7191.82</b>	<b>100.000000</b>	<b>-12095</b>	<b>0</b>

Note 1 : CTU (PG) is to raise bills to the beneficiaries applying the above Percentage Share Allocation  
Note 2 : POWERGRID Shall Adjust Monthly Transmission Charges Recovered From "ST" Customers & Submit Details to ERPC SECTT.  
Note 3 : 1.82 MW of Hirakud power at GRIDCO periphery for CSEB has been given effect from 4th September'06  
as per MOP/GOI letter vide no. 42/4/2005-R&R Dated 17-08-2006.  
Note 4 : 10% home state share from TSTPS Stage-II allocated to Orissa w.e.f. 22.04.2007 has been given effect.  
\* Note 5 : DTL ( ISGS ) : 200 MW & DTL ( DVC ) : 230 MW  
\*\* Note 6 : MPSEB ( ISGS ) : 31.15 MW & MPSEB ( DVC ) : 100 MW

S.E.(Commercial)