

25 MAR 2009

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Sent to Dir (D) / Dir (S)

BEFORE ORISSA ELECTRICITY REGULATORY COMMISSION,  
BHUBANESWAR

Filing No. \_\_\_\_\_  
Case No. \_\_\_\_\_ of 2009

Secretary

In the matter of

Amendment of OGC Regulations-2006,  
in exercise of powers U/s.86(1)(h) of the  
Electricity Act, 2003, empowering the  
Commission to frame Orissa Grid Code  
Regulation.

And

In the matter of

Confederation of Captive Power Plants, Orissa  
having its Regd. Office at IMFA Building,  
Bomikhal, P.O.Rasulgarh, Bhubaneswar,  
Dist.Khurda represented through its  
Secretary Shri Sanjeev Das

25/03/09 (15)

Designation	Initials
Chairman	
Member	
Member	
Member	
Secretary	
Off. (Tariff)	
Off. (Tech)	
J.D. (Law)	
P&A	
Chief of Central Registry	

Petitioner

The humble petition of the petitioner  
above named

Most Respectfully sheweth:

1. That the Intra State ABT has been introduced by the Hon'ble OERC w.e.f. 14<sup>th</sup> February, 2008 in order to ensure quality power to the end user. ABT in principle ensures quality power through maintaining the LGBR (Load Generation Balance Report) by way of measuring the frequency differentiated unscheduled energy for maintaining right frequency through incentive/disincentive mechanism termed as UI pricing which varies with every increment/decrement of frequency at a 0.02 step where actual frequency equals to 49+ code/50. The code is the frequency code which has integral value only.

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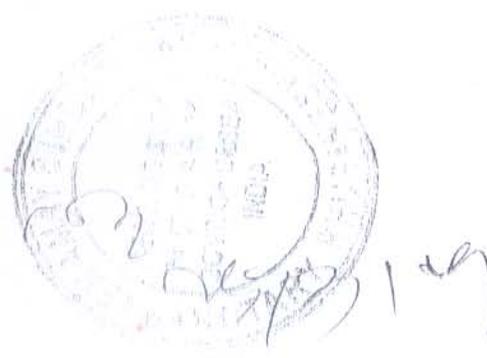
2. That the voltage at the transaction bus depends upon the reactive energy supplied out of / into the bus in question. The voltage differentiated reactive energy is also charged as high var/ low var as an incentive/disincentive pricing in order to ensure supply voltage made available within the prescribed band. The 97<sup>th</sup> protection sub-committee report of WRPC has mentioned that the frequency bias of the integrated country wide operation is at present 2180 MW that means it takes a fluctuation of 2180 MW to vary the frequency of the integrated system by 1Hz which translates to 43.6 MW change for a step change of 0.02 Hz of the supply frequency.

3. That the frequency bias for the eastern region is around 1320 MW and for the Orissa system the frequency bias is 625 MW when the ER system/ Orissa Power System get isolated to operate in the islanded mode. In case of further cascade tripping of circuit breakers in the Orissa System the resulting islands are supposed to work in non-ABT mode which prescribes that the actual drawl is to be recognised at the time as the schedule. Hence the UI mechanism under such circumstances is kept suspended by SLDC till the system is restored back to normalcy.

4. That assuming the Orissa Power system is operating in a stand alone mode, every 0.02 step change of frequency will occur if there is a system load/ generation fluctuations for around 12 MW.

5. That the reactive energy contribution of the generators below/around 15MW capacity are not significant enough as the above generators scarcely run with full capacity and are mostly dependant on seasonal variations.

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Secretary  
WRPC



6 That the generation of such generators can be sensed from the energy drawl figure of the distribution company from the bus to which such generators are synchronised. Hence any generator below 10MW need not have PLCC/SCADA system for getting monitored by the SLDC. The State estimation calculated by SCADA software at SLDC accepts variation analysis in decade steps. Hence asking the small generators having less than 10MW out put to abide by the provision relating to PLCC/SCADA may not be enforced by the Hon'ble OERC.

**PRAYER**

It is therefore prayed that this Hon'ble Commission may graciously be pleased that :

- (i) Any generator below 10 MW need not have PLCC/SCADA system for getting monitored by SLDC.
- (ii) Amendments as proposed to the Regulation 2.2.5 of the OGC and 6.4(9) & 6.4 (15) may be carried out by the Hon' ble Commission.
- (iii) Any other order/orders be passed as this Hon'ble Commission may deem fit and proper under the facts and circumstances of the case.

Bhubaneswar

Date:

**By the Petitioner**

*[Handwritten Signature]*  
 Secretary  
 C.O.P.O.  
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Petitioner

AFFIDAVIT

I, Sri Sanjeev Das, aged 42 years, S/o.A.K.Das Burma residing at A/2, H.I.G.,  
Baramunda Colony, Bhubaneswar, Dist.Khurda do hereby solemnly affirm and  
state as follows :

1. That I am the Secretary of Confederation of Captive Power Plants,  
Orissa, the petitioner in the above matter and am competent to swear  
this affidavit.

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The stamp is circular and contains the text: "ORISSA ELECTRICITY REGULATORY COMMISSION, BHUBANESWAR". Overlaid on the stamp is a handwritten signature in blue ink.

3/9/09  
Secretary  
C.C.P.P.O.

2 That the statement made in paragraphs 1 to 6 hereinabove are true to my knowledge based on information available on records of the Confederation, which I believe to be true and the last paragraph is the prayer of the petitioner.

*[Handwritten Signature]*  
Secretary  
DEPONENT

Identified by

*[Handwritten Signature]*  
25/3/59  
Advocate



*[Handwritten Signature]*

