

# ORISSA ELECTRICITY REGULATORY COMMISSION

BIDYUT NIYAMAK BHAWAN  
UNIT-VIII, BHUBANESWAR - 751 012

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Present : Shri B. K. Das, Chairperson  
Shri K.C. Badu, Member  
Shri B.K. Misra, Member

## **Case No.92/2009**

M/s A.C.C. Limited	....	<b>Petitioner</b>
Vrs.		
CMD, OPTCL	....	<b>Respondent</b>

**In the matter of :** To permit synchronization of the 2x15 MW CGP with the OPTCL system pending commissioning of PLCC/SCADA system.

**For the petitioner :** Mr. R.P.Mahapatra, authorised representative of  
M/s A.C.C. Limited.

**For the Respondent:** Mr. M.C. Muduli, A.E.(Telcom), Mr. R.K. Mohapatra, GM(T),  
OPTCL

**Date of Hearing :** 27.08.2009

**Date of Order :** 27. 08.2009

## **ORDER**

Mr. R. P. Mahapatra stated that M/s.IDCOL Cement Plant at Bargarh under IDC taken over by M/s.A.C.C. on 22.12.03 has connectivity at 132 KV from OPTCL system and was availing power (C.D.-20 MVA) since 1994. M/s.A.C.C., to double its capacity has decided to install a CGP of capacity of 2X15 MW. In this regard, M/s.A.C.C. has applied OPTCL to issue permission for parallel operation of its CGP with OPTCL system, which was also found to be in order by the pre-paid system study conducted by OPTCL. Presently, the existing practice being adopted is that CGP's are to establish RTUs at their end from where the data communication is to be made upto the multiplexer at the nearest SCADA Interface Point normally at 220/132 KV S/S of OPTCL. Thereafter OPTCL transfers the real time data to SLDC. For provision of PLCC/SCADA M/s.A.C.C. has placed the Purchase Order on M/s.AREVA T&D ltd. The copies of the said order and inspection reports of Electrical Inspector etc. have been forwarded to OPTCL on 25.05.09. When M/s. A.C.C. approached OPTCL to permit synchronization of the CGP with OPTCL system,

pending commissioning of the PLCC/SCADA system (which are expected to be completed by the end of October, 2009), OPTCL disapproved such request.

2. Accordingly, the petitioner M/s.A.C.C.has filed their petition on 21<sup>st</sup> July, 2009 with the prayer to exempt the petitioner from providing PLCC/SCADA equipments by the end of November, 2009 and direct OPTCL to approve the equipments ordered by the petitioner to M/s.AREVA T&D India limited. The petitioner also has prayed for provision of speech & data communication upto Katapalli 220 KV S/S (the nearest one) and to be allowed 6 months for providing of PLCC/SCADA facilities under Regulation 1.8 of OGC) on the following grounds:

- (i) OPTCL without assessing the system quality, performance & reliability is not approving equipments purchased by M/s.A.C.C. from AREVA T&D India Limited in the pretext that it is contrary to the recommendations in the BOQ. OPTCL also directed Manager, Telecom Division, Rourkela not to receive/install any such PLCC/SCADA equipment which do not conform to the recommended BOQ.
  - (ii) OPTCL also intimated that the synchronization of the 2X 15 MW CGP can be considered only after commissioning of PLCC/SCADA as per OGC.
  - (iii) Further, first 15 MW unit of M/s.A.C.C. has commenced its generation with effect from 08.07.09 and will take 4 months for stabilization. Hence, it is required to provide real time data by the end of November, 2009 and M/s.A.C.C. anticipated that the commissioning of PLCC/SCADA will be completed by the end of October, 2009. As OPTCL has disapproved the purchase order for PLCC/SCADA equipments of AREVA make citing it to be having features contradictory to their recommendations, the petitioner had to advise M/s. AREVA T&D India Limited to keep such order in hold.
  - (iv) M/S A.C.C. submits that as OGC Regulations 4.13(1)(d), the STU shall specify the communication equipments and at nowhere it has been mentioned that OPTCL shall determine the make of the equipment, which if permitted will also lead to unhealthy commercial practice.
3. Mr. Mahapatra further stated that due to heavy cost of the equipments of ABB make, the order has been placed on M/s. AREVA T&D India Limited during May 2009. The establishment of PLCC/SCADA is expected to be completed by the end of October 2009. The quality and reliability of AREVA equipments is time tested and can be used safely without any apprehension of failure or mal-operation etc. He further insisted on a third party evaluation of the PLCC equipments to ascertain the

quality and reliability of AREVA equipments compared to that of ABB. He also said that overall reliability is more and down time is less in case of AREVA equipments. Insisting to use a particular brand or make will only lead to unhealthy commercial practice. AREVA is an international standard manufacturer. Hence, the monopoly of ABB should be broken and the mental block of OPTCL officials should not be there regarding the use of AREVA equipments in the system.

4. Mr. R.K. Mahapatra, GM(T), OPTCL stated as follows:

- (i) M/s A.C.C. have purchased the PLCC/SCADA contrary to the recommendation of OPTCL, which clearly shows the highhandedness and unwilling to abide by the statutory provisions inspite of repeated reminders by OPTCL. The firm is simply avoiding to provide PLCC/SCADA citing a nos. of fictitious reasons on various baseless grounds, which clearly shows the attitude of deliberate delay in establishment of PLCC and thereby violating the provisions of OGC.
- (ii) The petitioners stand is very much surprising as every correspondence takes a different stand only to mislead and delay the establishment of PLCC/SCADA and to escape from the jaws of the statute. OPTCL is only implementing the orders of the Commission and OGC Regulations in letter & spirit.
- (iii) The establishment of SCADA interface point at all 220 kV S/S is in planning stage and may take 3-4 years for completion as it requires substantial investment because of extension of broadband connectivity to all 220 kV S/S through OPGW stringing. The petitioner has to provide data/voice channels up to the nearest available SCADA interface point otherwise SCADA connectivity to SLDC can not be established in the present scheme as per OGC Regulations.
- (iv) The submission of M/S A.C.C. regarding anticipated date of commissioning of PLCC/SCADA by the end of October 2009 is not acceptable, as the firm has furnished variety of completion schedules.
- (v) In order to ensure a fast and reliable communication system and power system operation, OPTCL basing on its past experience has recommended use of equipment of different vendors such as EPBX of BPL/Matrix make, RTU from AREVA/ABB, PLCC of ABB, wave trap of AREVA make etc. to the industries. Out of them performance of ABB make products performance satisfactorily. Hence OPTCL can not approve the equipments of any make randomly, which in turn shall compromise with safe and reliable operation of the power system.

- (vi) The failure of the petitioner M/S A.C.C. to provide PLCC/SCADA without any valid reason shall be construed as non-compliance/ violation / contravention of the provisions of OGC Regulations 2006 and the penalty as deemed appropriate may be imposed.
5. Mr..Mohapatra, G.M.(T), also stated that M/s A.C.C. is first an User, hence it is mandatory as per OGC to furnish the relevant data to SLDC. M/s A.C.C. is taking different stands in its various communications only to mislead and delay the establishment of PLCC/SCADA. OPTCL basing on its past experience always recommends the equipments for a fast and reliable operation with less down time. OPTCL has tried with many systems such as BPL, W.S. Industries, ABB, AREVA etc. and found that the failure rate & down time is very high in case of equipments manufactured other than ABB. To supplement to this argument OPTCL has submitted a graph showing a higher failure rate of 13 days at a stretch in a month in case of data flow from Emami Paper Mills having AREVA make. As stated by OPTCL, the PLCC/SCADA system becomes in-operative due to rise in temperature and resetting is required most of the time in case of AREVA make of the equipment.
6. After hearing the parties and perusal of the case records the commission allowed time to M/s.ACC upto 31.12.09 to establish the communication and SCADA system under Regulation 1.8 of the OGC upto the nearest 220/132Kv S/s of OPTCL the SCADA interface point at Katapalli. The Commission observes that as the OPTCL is yet to establish SCADA interface system in its own 220/132 KV Grid s/s , denying the synchronization of the User's CGP to the State Grid on the ground of SCADA and Communication System is not appropriate. The Commission had earlier ordered to increase the limit of any generator for injecting of power 5MW and above for establishment of SCADA and communication to power injection from generator (including CGP) upto 25MW. OPTCL is therefore, directed to allow synchronization of the CGP units of M/s.ACC with the State Grid subject to the condition that the latter puts load limiters at its end and OPTCL's Bargarh S/s to limit power injection maximum upto 25 MW only. OPTCL should not insist on a particular make of communication system and should adopt any developed mode of communication ,if technically feasible.
7. This case is disposed of accordingly.

Sd/-  
**B. K. Misra)**  
**Member**

Sd/-  
**(K.C. Badu)**  
**Member**

Sd/-  
**(B. K. Das)**  
**Chairperson**