

**JHARKHAND STATE ELECTRICITY REGULATORY COMMISSION
RANCHI**

Suo-Motu Case No. **12** of **2011**

Shri **Mukhtiar Singh**, Chairperson
Shri **T. Munikrishnaiah**, Member

Dated: 30th April 2011

ORDER

Counsel as Amicus Curie : None

Counsel for the Commission : Shri Sudarshan Shrivastava, Advocate

For the JSEB : Shri Vikash Kishore Prasad, Advocate
Shri Abhay Prakash, Advocate
Shri S.C. Mishra, Chief Engineer(C&R),JSEB
Shri R.A. Choudhary, Chief Engineer, JSEB
Shri Sudhanshu Kumar, CE (Gen), JSEB
Shri C.L. Roy, SE (Elec), JSEB
Shri Vinod Kumar Mishra, Dy. Secretary &
Shri R.C. Prasad, Chief Electrical Engineer
Both from Energy Department, GoJ.
Shri S. Mandal of HCL
Shri S. Dey of HCL

1. The Commission has gone through the Agreement entered into between the Jharkhand State Electricity Board (JSEB) and M/s HCL Infosystem Limited. The Commission also discussed the issue of energy auditing with the concerned officers of the HCL Infosystem Limited and the JSEB in the light of the said Agreement. From the discussion, it transpires that the JSEB has to first install the static energy meters from Grid level to transformer level and then only the data collection, data feeding and data analysis by M/s HCL Infosystem Limited will be done. It means that the progress of the work to be done by M/s HCL Infosystem Limited is concerned, depends on the installation of the static energy meters by the JSEB. In other words, the JSEB has to complete its part of obligation in a time bound manner and then only M/s HCL Infosystem Limited can do their part. The Commission is of the view that the activities of the JSEB

and of M/s HCL Infosystem Limited have to be synchronized in such a manner that the work proceeds smoothly. In view of this, the Commission directs the JSEB to work out the time-lines of the JSEB's part as well as M/s HCL Infosystem Limited's part and adhere to those time lines to facilitate the collection of data at different voltage level for various feeders for energy auditing. What are the time-lines for various steps, the JSEB should inform the Commission on the next date.

2. The Commission also feels that the measures to reduce T&D losses can be planned and effectively executed once proper energy auditing mechanism is in place. So the JSEB is directed to ensure that the energy auditing system is placed in time and properly used to reduce its T&D losses.

3. On the last date of hearing, the JSEB was asked to provide information about the existing length of the distribution network. They have done it. According to the information submitted by JSEB, 33/11 KV Sub-Stations were 141 in 2001 which has increased to 236 in 2011. The distribution transformers have increased to 21,678 in 2011 from 15,621 in 2001. Similarly, length of 33 kV line which was 2,922 km in 2001 have gone upto 4,210 km in 2011 and length of 11 kV line have increased from 16,805 km in 2001 to 19,268 km in 2011. The length of LT line is 25,896 km in 2011 which was 23,158 km in 2001. These figures do indicate that the JSEB has increased its distribution network.

4. Similarly, there are additions in the transmission system as well. The information shows that the numbers of Grid Sub-Stations have increased to 24 in 2011 which were 16 in 2001. Similarly, length of 132 kV line has increased to 1698 km in 2011 which was 1628 km in 2001 and there are proposals to add 5 (five) Grid sub-stations and 2648 kms length of 132 kV line. The above figures

indicate that the JSEB is trying to expand its transmission and distribution network.

5. The general complaint from the consumers is that the Transmission and Distribution network has so many loose spans and on slightest increase in the velocity of the wind it does not work. Therefore, the JSEB has to work out a mechanism under which entire length of Transmission and Distribution network is to be periodically checked and the loose spans are tightened and strengthened. The same exercise should be done with regard to periodical check up of other equipments like transformers etc.. These steps will certainly take care of transmission and distribution network bottlenecks. The licensee-JSEB will submit its action plan on this issue on the next date.

6. The representative of the Government have appeared and filed an affidavit in which it has been pointed out that the Government has given Rs.454 crores upto 31.3.2011 for renovation and maintenance of Patratu Thermal Power Station (PTPS). The affidavit also discloses that the renovation and rehabilitation of Unit Nos. 9 & 10 of PTPS is being done by M/s Bharat Heavy Electricals Ltd. (BHEL) and for this a sum of Rs.205 crores have been released to JSEB. It is also stated that another Rs.150 crores has been provided in the budget for 2011-12 for rehabilitation and renovation work of PTPS. The affidavit further says that the Unit No.9 is expected to be restored by June 2012 and Unit No. 10 by December 2011 which will add around 180-200 MW additional power. It is also pointed out that repair and maintenance of Unit Nos. 1, 2 and 7 of PTPS will add approximately 140 MW power to the system by July 2011. To monitor the progress of PTPS, a Committee has been constituted under the Chief Secretary, Government of Jharkhand which will over see the work on weekly basis.

7. The representatives of the Government have filed a copy of the letter of the Government addressed to the Chairman, JSEB authorizing the later to take steps for the expansion of the PTPS. But no time frame has been given. The Commission feels that a time frame must be worked out to complete the various steps to be taken for the expansion of the PTPS and inform the Commission on the next date.

8. Needless to say that the demand of electricity is increasing day by day. Because of the implementation of Rajiv Gandhi Gramin Vidyutikaran Yojna (RGGVY), the number of consumers will increase sharply leading to increase in demand for electricity. The Government and the JSEB have to plan well in advance to meet the increase in demand of electricity and suitable infracture has to be developed. What is that plan, the Commission would like to know.

9. There are huge arrears as stated by the licensee-JSEB. This include dues from the various Government departments and offices as well as private consumers. The licensee-JSEB should work out a plan to recover all the arrears from the private defaulters and also coordinate with the Government for recovery of dues from the Government departments and offices. May be this issue is taken up at the level of the Development Commissioner/Chief Secretary and periodical monitoring is done in respect of Government dues. The licensee-JSEB would like to inform the Commission about the steps taken in this regard on the next date.

Put up on **11.06.2011** at **11.30 AM** for further hearing.

Sd/-
(T. Munikrishnaiah)
Member

Sd/-
(Mukhtiar Singh)
Chairperson