



**BEFORE
THE UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION
LUCKNOW**

Date of order: 23.03.2015

PRESENT:

1. Hon'ble Sri Desh Deepak Verma, Chairman
2. Hon'ble Smt. Meenakshi Singh, Member
3. Hon'ble Sri Indu Bhushan Pandey, Member

IN THE MATTER OF: Performance review of the state owned generation unit (UPRVUNL) and transmission unit (UPPTCL) under the Electricity Act, 2003

ATTENDEES:

1. Sri Sanjay Prasad, MD, UPRVUNL and UPPTCL
2. Sri S.K. Agarwal, Director (Finance), UPPTCL
3. Sri Muralidhar Bhagchandani, Director(Technical), UPRVUNL
4. Sri A.K. Agarwal, Director (Finance), UPRVUNL & UPJVNL
5. Sri P.G. Khandalkar Director (Commercial & SLDC), UPPTCL
6. Sri Mohit Goyal (Consultant), UPRVUNL

Order

(Date of hearing- 23.01.2015)

1. In continuation of the hearing held in the Commission on 25.08.2014, a review hearing on the performance of UPRVUNL and UPPTCL was held on 23.01.2015.
2. The hearing started with the review of compliance of the directives issued by the Commission in previous meeting held on 25.08.2014.



3. The Director (technical), UPRVUNL submitted as follow:

- a. To improve performance/PLF of newly commissioned Units of Parichha and Harduaganj, corrective measures have been taken in October 2014 based on the performance audit carried out by BHEL. These measures concern area of milling system, boiler SADC , burner tilt mechanism, condenser tube cleaning, CW water chemistry and ash handling system . Consequently there is significant improvement in the PLF of the Units.

Now these Units are operating at close to 100% PLF with specific oil consumption being in the range of 1.1-1.2 ml/kwh.

Also there is steep fall in the number of tripping of Units.

- b. On the issue of daily monitoring, it was submitted that:
 - Morning meetings are being held through video conferencing for effective monitoring
 - Daily monitoring is done at power stations with improved formats.
 - Comprehensive format has been prepared on NTPC pattern.
 - Fault reporting and proposed rectifications are regularly monitored by Project Heads
 - Minutes of monitoring meeting are being reviewed at Head Quarter level
- c. 100% adherence to overhauling schedule has been planned in 2014-15.
- d. On the issue of Measures taken to arrest BTL, it was submitted that:



- Wide spread radiography during overhauling and opportunity shutdown are being done for the older section joints in problem prone areas.
 - Proper documentation of all BTL's is being done and the same is being analysed to identify the major causes and zones of BTL.
 - Training/Workshop by faculty from DHANU PROJECT (Reliance TPS) was conducted on all projects on Boiler Tube Failure- Causes and remedies in the month August 2014.
 - UPRVUNL officers were sent to ESCI Hyderabad for training on Boiler Tube Failure- Causes and remedies, best practices in water and coal chemistry, operation maintenance and performance monitoring.
 - Training by faculty of NTPC PMI Noida, UP on boilers tube failure causes and remedies have been conducted.
- e. There is significant reduction in number of trippings of Units at over all Nigam level with no. of tripping being mere 19 in the month of January 2015 viz-a-viz 40 in the month of December 2014. This in turn is also reflected with PLF being up by more than 2 % running above 62%. However, monthly specific oil consumption over the months has been running above 1.5 ml/kWh.
- f. On the issue of upcoming 2X500 MW Anpara D Units, it was informed that for first Unit boiler light-up has been done on 18.12.2014 and BHEL has committed to commission the first Unit by March 2015 with second Unit to follow within 2 months after that.
- g. The Commission was also apprised of the latest status of upcoming projects at Harduaganj (1X660 MW), Obra C (2x660 MW), Panki (1x660 MW), Ghatampur (3x660 MW), Karchana (2x660MW) and Jawaharpur (2x660 MW).



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4. The Commission reiterated to take up measures for proper resource/fund management and to moot upon the option of closing underperforming Units and using the resources & spares for newer and performing Units.
 5. The Commission again directed to review the man-machine ratio to contain excess O&M expenditure on non-performing Units and explore the option of adjusting the excess employees with the UPPCL and the UPPTCL which are facing shortage in manpower.
 6. The Commission expressed displeasure over the long outages of Units owing to BTL and directed that the practices similar to NTPC be adopted to revive the down Units as soon as possible.
 7. On the issue of computerization project (PRAGATI) taken up by the Nigam, for which Commission has already issued orders, the MD UPRVUNL submitted that the Commission to be apprised of the developments in this regard separately within 15 days. The Commission expressed its dismay over lethargic approach of the Nigam in moving ahead in the project despite the fact that Commission has passed a separate order in this regard.
 8. The Commission expressed displeasure over low PLF and high specific oil consumption and directed that further corrective



measures be taken on priority to improve generation/PLF and reduce oil consumption.

- 9.** The Commission directed that regular monitoring plan for all the important auxiliaries be put in place so that incidences like failure of GTs don't recur.

- 10.** It was informed by the Nigam in previous meeting that each power station shall be treated as profit center and reports of same shall be placed before the Board of Directors for review on quarterly basis. The Commission has then directed to furnish the same report before it but no report is received so far. The Commission directs to submit the same at the earliest.

- 11.** The UPPTCL management informed the Commission about development and various measures taken up in expediting creation of infrastructure in view of the upcoming projects at Bara, Lalitpur, Anpara- D and Tanda.

- 12.** In respect of upcoming units at Lalitpur, it was further submitted by UPPTCL that transmission infrastructure is in place to facilitate evacuation of power from the first unit and work is in progress for creating infrastructure for evacuation of power from second unit. UPPTCL inform that It was also submitted that even though it is expected that second unit shall be available for generation much before its scheduled time and there will be no



capacity in transmission system to evacuate that power, there is no provision for deemed power generation in case of Lalitpur project.

13. UPPTCL informed that although their transmission lines are delayed but in respect of the commissioning of upcoming projects, there would not be any crisis due to non-availability of transmission line.
14. UPPTCL also informed that there is no provision of deemed generation on account of non-availability of transmission system in the case of Lalitpur project.
15. However the Commission categorically directed that the transmission system should be made available at appropriate time and no generation should be lost as the state is already reeling under power shortage. The Commission emphasized that a term plan is required to be made by UPPTCL which shall be submitted to the commission within one month.

(Indu Bhushan Pandey)
Member

(Meenakshi Singh)
Member

(Desh Deepak Verma)
Chairman

Place: Lucknow

Dated: 23.03.2015