

KPTCL

Preliminary observations on APR for FY17

A. Transmission System Availability (TSA):

Though KPTCL has decreased the TSA at 99.60% for FY17, HESCOM and CESC have raised the issue of the poor availability of capacitor banks installed in substations coming in their jurisdiction. The letters of HESCOM and CESC has been forwarded to KPTCL for its reply and rectification of capacitors. KPTCL is required to furnish the details of action taken to replace faulty capacitor banks and improve the performance of the capacitor banks.

B. Capital Expenditure for FY17:

KPTCL has stated that, 28 stations out of targeted 30 new sub-stations and 860.49 Ckt kms of transmission lines as against the targeted 807.58 Ckt kms are completed. But, in table – 6, the length of the line is stated as 860.49 ckt kms and in Table-8, in voltage-wise breakup data, the total length is shown as 882.01 Ckt kms. The KPTCL shall clarify the correct length of line. Further, in the case of augmentation of substations, 67 works are reported to have been completed, as against targeted 65 Numbers. KPTCL shall, therefore, furnish the voltage-wise details of achievements in the following format:

New substation:

Sl No	Name of the Station & installed capacity	Voltage class	Date of commencement of work	DPR cost	DWA cost	Date of completion	Time over run if any	Cost incurred on completion In Rs. Crores	Date of categorization	Reason for non-categorization	Remarks
Total Cost											

New Lines:

Sl No	Name of the Line and length	Voltage class	Date of commencement of work	DPR cost	DWA cost	Date of completion	Time over run if any	Cost incurred on completion In Rs. Crores	Date of categorization	Reason for non-categorisation	Remarks
Total Cost											

Augmentation:

Sl No	Name of the Station and added capacity	Voltage class	Date of commencement of work	DPR cost	DWA cost	Date of completion	Time over run if any	Cost incurred on completion In Rs. Crores	Date of categorization	Reason for non-categorisation	Remarks
Total Cost											

Further, KPTCL shall furnish the break-up of capital expenditure of Rs.1701.96 Crores as shown below:

- i. Capital expenditure incurred for the new/ spill over works and completed in FY17:
 - a. The capex amount capitalised
 - b. The reason for not capitalising the balance amount, if any

KPTCL shall also furnish the details of on-going works, as on 31.11.2017, in the

Sl No	Name of the Station & installed capacity	Voltage classes	Date of commencement of work	Targeted date of completion	DWA cost	Time over run if any	Cost incurred till date	Reasons for not completing in time	Action taken to overcome the reasons	Impact on the performance of KPTCL due to non-commissioning	Remarks

following format:

KPTCL in the para 5.1 on 'Rationale for Capital investment Programme' has stated that, KPTCL has been envisaging adequate capex programme in the recent past and has been endeavouring in the current year as well. That will definitely help in

keeping required growth rate of all sectors in the State and ensure efficient transmission of power for equitable supply of electricity penetrating the rural areas of the State. Based on its own statement, the KPTCL shall furnish the following:

- a) Whether, the KPTCL substations in urban and rural areas are having alternative incoming sources for reliability:
 - I. Number of substations having 2nd or 3rd source of power input;
 - II. Number of substations having only one source of power input;
 - III. Number of substations which are loaded above 70% of installed capacity;
 - IV. Number of substations fed from one source line due to which simultaneous peak load cannot be met;
 - V. Number of substations having only one power transformer;
 - VI. Number of substations having under voltage problem and remedies considered.
- b) Whether all the substations of KPTCL are capable of catering 24X7 Hrs power to all feeders simultaneously.
- c) How many Transmission lines are facing RoW problems? Details thereon.
- d) How many substations are not commissioned due to lack of incoming lines

KPTCL has submitted the post commissioning analysis report, in which the cost of DWA and the cost of completion (after categorisation) have a huge difference.

Hence, KPTCL shall give the breakup of the cost of works as follows:

Name of the project	Estimated cost In Rs. Crores	DWA cost in Rs. Crores	Cost of completion after categorisation Rs. Crores	Cost of materials supplied by KPTCL Rs. Crores	Cost of labour charges Rs. Crores	Cost of material put by agency Rs. Crores	Any other cost Rs. Crores	Any other cost Rs. Crores	Remarks

C. Observation on Expenditure:

1. The KPTCL has indicated in Format-A1, the actual Transmission capacity of 19478 MW, 19380 MW and 20230 MW respectively for FY 15 to FY17. On a verification of the audited accounts and the Commission's approved figure, the actual transmission capacity for FY15 and FY16 is

17936 MW and 18615 MW respectively. There is a reduction of transmission capacity for FY16 over FY15 and steep increase during FY17. KPTCL shall furnish the revised corrected transmission capacity for FY15 to FY17 along with the revised projected figures for FY18 and FY19.

2. The KPTCL in Format T-2, has considered the increased transmission capacity figures for FY15 to FY17 as against the actual figure as per the audited accounts. The corrected T2 Format shall be furnished.
3. The KPTCL in its filing under format T6 (a) has shown an increase in the sanctioned and working strength of the employees during FY17. The KPTCL shall furnish the actual cadre-wise additional employees recruited during FY17.
4. KPTCL in format T-11, has claimed Rs.1,1056 Crores as Other Debits for FY17. The same amount is shown as Bad and doubtful debts written off/provided for as per audited accounts for FY17. KPTCL shall furnish the actual amount of Bad debts written off and the provisions made, separately along with details thereon.
5. KPTCL in its filing has submitted the details of expenditure incurred in respect of lines and bays for FY17. The details are provided for 400 KV, 220KV, 110KV 66 KV lines and bay and major works division expenses. As the 11KV bays are also maintained by KPTCL and included in the total number of bays for which the transmission charges are determined, KPTCL shall furnish the actual expenditure incurred in maintaining the 11KV bays during FY17.

D. COMPLIANCE TO DIRECTIVES:

i. Energy Audit:

KPTCL shall furnish the month-wise voltage-wise transmission loss figures for FY18 as at the end of October, 2017.

ii. Quality of Service:

It is observed that, KPTCL has not displayed the details of interruptions and bus voltage details on its website for all the substations, whereas it is displaying the details of major substations only. KPTCL is required to display the said details for all the substations and submit compliance to the Commission.

ii. Manpower Study:

The reply furnished regarding finalizing the manpower study report through an internal Committee by the KPTCL is the same as furnished for the last year, which means that there is no change in its status. KPTCL shall indicate a definite time line by which it will finalize the decisions on Implementing the recommendations of the manpower study report.

iii. Prevention of electrical accidents:

KPTCL has submitted a detailed Action Plan, for implementing safety measures to prevent electrical accidents, as on 30.08.2017, stating that, total no. of Works identified are 1292, in which only 134 Works are completed and 69 works are in progress and 1078 works are yet to be taken up. KPTCL shall furnish the actual status of implementation of the proposed action plan works including the number of hazardous locations/ installations rectified till the end of October, 2017, besides furnishing the realistic target date for rectification of all identified hazardous locations/ installations.
