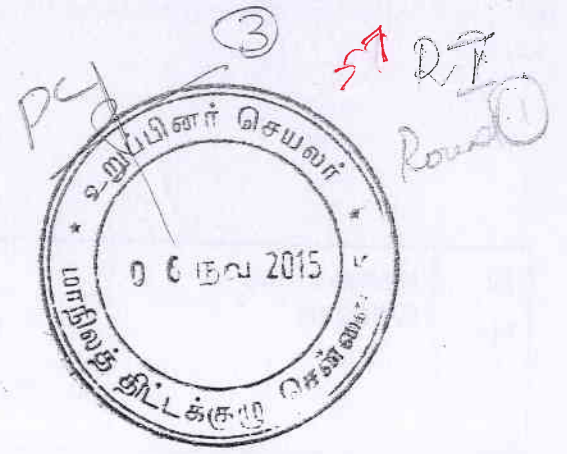




ABSTRACT



Energy Department - Tamil Nadu Innovation Initiatives (TANII) – State Innovation Fund – Demonstration project on energy efficiency among Public Sector Rice Mills under State Innovation Fund at the total cost of Rs.30.00 lakhs - Administrative sanction – orders – Issued.

Energy (D2) Department

G.O.(Ms.)No.66

Dated:30.10.2015

006209

திருவள்ளூர் ஆண்டு 2046
ஐப்பசி 13

Read:-

- 1) From the Chief Electrical Inspector to Government Lr.No.27287/CEIG/D3/2014, dated 4.12.2014.
- 2) From the Member Secretary (i/c), State Planning Commission, Chennai -5 D.O Letter No.3747/ PC/ SPC/14, dated 12.2.2015.

ORDER:

In the letter first read above the Chief Electrical Inspector to Government has sent the Demonstration project on Energy Efficiency among Public Sector Rice Mills. He has stated that the Steam generation for the process in rice mills is achieved through boilers in all the par boiled rice mills. In most of these boilers, the flue gas from the boiler outlet is leaving to the atmosphere at the temperature of 160-180 degree Celsius . This heat energy can be recovered by installing waste heat recovery systems like efficient heat exchangers and air preheater thereby promoting plant efficiency and reduction in fuel consumption. The total cost of Rs.69.00 lakhs is to be funded from the Innovative Fund for 23 units.

2) In the letter second read above the State Planning Commission has suggested to implement it for 10 units and has recommended this proposal with the revised cost of Rs.30.00 lakhs (for 3 years) for 10 units during 2015-16, 2016-17 and 2017-18 as below:-

Sl. No	Name of the Scheme	Cost of the project			
		2015-16 (1 st year)	2016-17 (2 nd year)	2017-18 (3 rd year)	Total
		(Rs. in lakhs)			
1.	Demonstration Project on Energy Efficiency among Public Sector Rice Mills.	10.00	10.00	10.00	30.00

3) The Government accord administrative sanction a sum of Rs.30 lakhs (Rupees thirty lakhs only) for three years 2015-16 to 2017-18 towards the work Demonstration Project on Energy Efficiency in 10 Public Sector Rice Mills under Tamil Nadu Innovation Initiatives scheme. The proposed expenditure for Rs.10.00 lakh for the year 2015-16 will be met from the existing BE 2015-16 provision.

4) The expenditure sanctioned in para 3 above shall be debited under the following head of account.

2045-00-OTHER TAXES AND DUTIES ON COMMODITIES AND SERVICES 103 collection charges – Electricity Duty – JF – Demonstration Project on energy efficiency among Public sector rice mills – scheme under State Innovation Fund – 19 – Machinery and Equipments -01-Purchase.

(DPC – 2045-00-103-JF-1916)

5) The above expenditure shall be met from the State Innovation Fund by deducting under the following head of account:

2045-00 Other Taxes and Duties on Commodities and services - 902 Deduct – Amount from State Innovation Fund – JB Deduct – Amount met from State Innovation Fund – 30 Inter Accounts Transfer

(DPC: 2045-00-902-JB-3007)

and contra debiting J Reserve Fund (b) Reserve Fund not bearing Interest -8229 00 Development and Welfare Funds – 200 Other Development and Welfare Funds – BE State Innovation Fund

(DPC: 8229-00-200-BE-0006) Outgo

6) The Chief Electrical Inspector to Government is authorized to incur the expenditure sanctioned in para 3 above and he is requested to send the utilization certificate in due course to the Government. He is also requested to follow the usual procedure / orders in force during the implementation of the project.

7) This order issues with the concurrence of Finance Department vide its U.O. No.55623/PW-ii/15, dated 30.10.2015.

(BY ORDER OF THE GOVERNOR)

RAJESH LAKHONI
SECRETARY TO GOVERNMENT

To
The Chief Electrical Inspector to Government,
Chennai-32.
✓ The Member Secretary,
State Planning Commission,
Chepauk, Chennai-5.
The Accountant General -I, Chennai-18.
The Accountant General -I, Chennai-18.(By name)
The Accountant General (Audit), Chennai-18.
The Pay and Accounts Officer(South), Chennai-35.
The Energy (Bills) Department, Chennai-9.

Copy to:

The Finance (BG II/PW II) Department, Chennai-9.
The Energy (E) Department, Chennai-9.
PD& SI (SP.1) Department, Chennai-9.
SC/SC

//FORWARDED / BY ORDER//


SECTION OFFICER

The first section of the report is devoted to the study of the general properties of the system. It is shown that the system is stable and that the solution is unique. The second section is devoted to the study of the asymptotic behavior of the solution. It is shown that the solution converges to a steady state value as time goes to infinity.

The third section is devoted to the study of the transient behavior of the solution. It is shown that the solution exhibits oscillatory behavior for a certain period of time before converging to the steady state value.

The fourth section is devoted to the study of the effect of the initial conditions on the solution. It is shown that the solution is independent of the initial conditions for a certain period of time before converging to the steady state value.

The fifth section is devoted to the study of the effect of the parameters of the system on the solution. It is shown that the solution is sensitive to the parameters of the system and that small changes in the parameters can lead to large changes in the solution.

The sixth section is devoted to the study of the effect of the noise on the solution. It is shown that the solution is robust to the noise and that the noise does not affect the steady state value of the solution.

The seventh section is devoted to the study of the effect of the delay on the solution. It is shown that the solution is stable for a certain range of delay values and that the delay affects the transient behavior of the solution.

The eighth section is devoted to the study of the effect of the sampling rate on the solution. It is shown that the solution is stable for a certain range of sampling rates and that the sampling rate affects the transient behavior of the solution.

The ninth section is devoted to the study of the effect of the quantization on the solution. It is shown that the solution is stable for a certain range of quantization levels and that the quantization affects the transient behavior of the solution.

The tenth section is devoted to the study of the effect of the round-off on the solution. It is shown that the solution is stable for a certain range of round-off errors and that the round-off affects the transient behavior of the solution.

The eleventh section is devoted to the study of the effect of the truncation on the solution. It is shown that the solution is stable for a certain range of truncation errors and that the truncation affects the transient behavior of the solution.