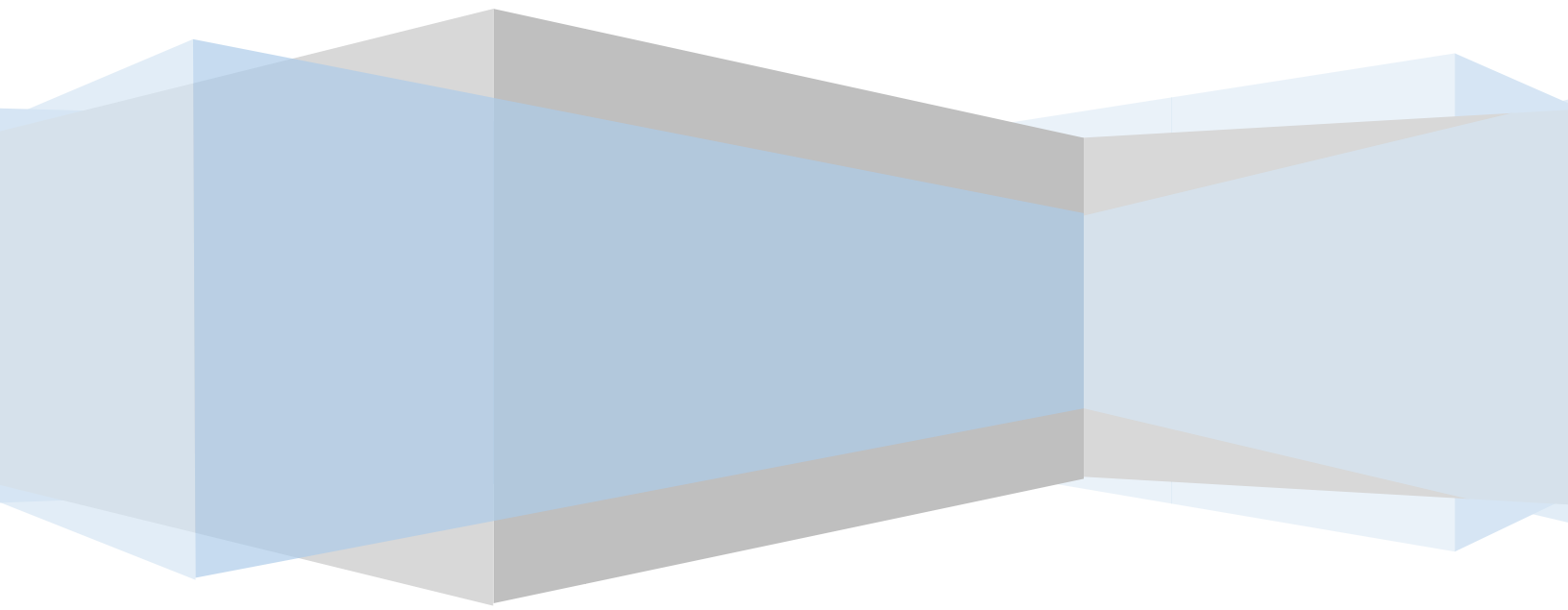




Report on

Tamil Nadu Innovation Initiatives (TANII)

Volume – I



State Planning Commission

Chennai – 600 005

July 2018

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Chapter I: Introduction

Vision 2023 envisions Tamil Nadu becoming the “Knowledge Capital” and “Innovation Hub” of the country. This requires the creation and nurturing of an appropriate atmosphere that aids innovation and sustenance of knowledge.

Announcement of Hon'ble former Chief Minister

The Hon'ble former Chief Minister made an announcement under Rule 110 in the Legislative Assembly on 08.08.2014 that "to promote innovation culture in Tamil Nadu, Tamil Nadu Innovation Initiatives (TANII) will be established in the State Planning Commission to promote Innovation in Government. Initially, Tamil Nadu Innovation Initiatives (TANII) would work within Government and Government agencies to foster innovation. This idea could be eventually extended further to the non-Government sector as well. Prizes will also be instituted and awarded for innovative practices. A State Innovative Fund will be set up for this purpose. New schemes would be financed from the State Innovation Fund, if they are truly innovative in nature. An amount of Rs.150.00 crores will be provided every year to this fund. An award in the name of "Chief Minister's Award for Innovation" will be instituted for the best innovative initiatives".

Establishment of Tamil Nadu Innovation Initiatives (TANII)

Accordingly, based on the Hon'ble Chief Minister's announcement and as a follow-up on one of the themes of the "Vision Tamil Nadu 2023" of making Tamil Nadu the "Innovation Hub" of the country, the "Tamil Nadu Innovation Initiatives (TANII)" was established in the State Planning Commission vide G.O.(Ms) No.93, Planning, Development & Special Initiatives (SP.1) Department, dated 26.09.2014.

Constitution of State Innovation Fund

The Government order has also setup a State Innovation Fund by restructuring the existing Part II schemes from the financial year 2015-16 with an initial corpus of Rs.150.00 crore to encourage innovation. Guideline for identification and implementation of Innovative schemes was issued in G.O. (MS) No.124, Planning, Development and Special Initiatives Department, dated: 24.10.2014. New schemes are being financed from the State Innovation Fund if they are truly innovative in nature. Further, accounting procedures for this fund have been ordered in the G.O.(Ms) No.153, Planning, Development and Special Initiatives Department, dated: 23.12.2014.

Non-Lapsable Fund

The State Innovation Fund will operate as a separate Non-Lapsable Fund within the Public Account. Any unutilized balance in the Fund would be carried over to the next financial year and would be available for sanctioning innovative schemes in the subsequent year.

Eligible Agencies

The lead agencies eligible are i) State Government Departments ii) Local Bodies iii) State Public Sector Undertakings iv) Statutory Boards formed by the State v) State Co-operative Institutions vi) State Universities vii) Societies formed by the State. Further, suggestions are also accepted from individuals whether they are Government Employees or Private Individuals or Representing an Organization after the proper review of State Planning Commission and the Department concerned.

Awards, Capacity Building and Evaluation

In the State Innovation Fund, 5 per cent of fund is set apart for awards, capacity building, evaluation, documentation and awareness building and this would be transferred to a separate head of account under the control of the State Planning Commission. Any unutilized balance at the end of the year would be transferred back to the Fund account for accumulation and carry over to the subsequent year.

Scheme duration

Assistance for a scheme would be available from the Fund for a maximum total period of three (3) years, which may be extended by one more year in exceptional cases by the State Planning Commission.

Upper Ceiling for Schemes

The upper ceiling for a scheme is restricted to Rs.20.00 crores for a period of maximum of 3 years wherein Rs.10.00 crores as the maximum permissible expenditure in a year.

Physical and Financial performance

From the year 2015-16 to 2018-19 (Round-I), totally 238 schemes have been recommended at a total cost of Rs.497.57 crores for funding under TANII to various departments / agencies under the administrative control of 28 Secretariat departments. The year wise performances areas follows:

For the year 2015-16

In the year 2015-16 as an initial corpus of Rs.150.00 crore was allotted for the State Innovation Fund. In the two rounds appraisal, totally 73 innovative projects at a total cost of Rs.175.33 crore were recommended for funding under TANII.

For the year 2016-17

In the year 2016-17, for State Innovation Fund Rs.150.00 crore was allotted. In the two rounds appraisal, totally 70 innovative projects at a total cost of Rs.138.39crore were recommended for funding under TANII.

For the year 2017-18

In the year 2017-18, for State Innovation Fund Rs.150.00 crore was allotted. In the two rounds appraisal, totally 66 innovative projects at a total cost of Rs.156.40crore were recommended for funding under TANII.

For the year 2018-19

In the year 2018-19, for State Innovation Fund Rs.100.00 crore was allotted. In the first round appraisal, 29 innovative projects at a total cost of Rs.27.45crore have been recommended for funding under TANII.

Formation Government Orders

1. G.O. (MS). No.93, PD&SI DEPT. DATED: 26.09.2014. – FORMATION G.O
2. G.O. (MS). No.124, PD&SI DEPT. DATED: 24.10.2014. – GUIDELINE G.O.
3. G.O. (MS). No.153, PD&SI DEPT. DATED: 23.12.2014. – FUND OPERATIONAL GUIDELINES



ABSTRACT

Vision Tamil Nadu, 2023 – Making Tamil Nadu as the “Innovation Hub of India” – Establishment of Tamil Nadu Innovation Initiatives and setting up of the State Innovation Fund – Institution of “Chief Minister’s Award for Innovation” – Orders – Issued.

PLANNING, DEVELOPMENT AND SPECIAL INITIATIVES (SP.1) DEPARTMENT

G.O. (MS) No. 93

**Dated: 26.09.2014.
Jaya, Purattasi – 10
Thiruvalluvar Aandu 2045.**

Read:

Announcement of the Hon’ble Chief Minister under Rule 110 in
Tamil Nadu Legislative Assembly on 08.08.2014.

ORDER:

The Hon’ble Chief Minister made an announcement under Rule 110 in the Legislative Assembly on 08.08.2014 stating that, “to promote innovation culture in Tamil Nadu, Tamil Nadu Innovation Initiatives (TANII) will be established in the State Planning Commission to promote Innovation in Government. Initially, Tamil Nadu Innovation Initiatives (TANII) would work within Government and Government agencies to foster innovation. This idea could be eventually extended further to the non-Government sector as well. Prizes will also be instituted and awarded for innovative practices. A State Innovative Fund will be set up for this purpose. New schemes would be financed from the State Innovation Fund, if they are truly innovative in nature. An amount of Rs.150.00 crores will be provided every year to this fund. An award in the name of “Chief Minister’s Award for Innovation” will be instituted for the best innovative initiatives”.

2) Accordingly, after careful consideration and as a follow-up on one of the themes of the “Vision Tamil Nadu 2023” of making Tamil Nadu the “Innovation Hub” of the country and to encourage a culture of innovation in Government and Government agencies, the “Tamil Nadu Innovation Initiatives (TANII)” will be established in the State Planning Commission.

3) The Tamil Nadu Innovation Initiatives (TANII) will carry out the following activities:-

- i. The process of innovation would be institutionalized. This would consist of initially identifying a goal to be achieved or a problem to be solved, which requires an innovative initiative. Identification of the right goal or problem is important to ensure that resources are not wasted. Thereafter, competent human resources are applied to the situation to find an appropriate innovative solution and the necessary financial and administrative support would be provided to implement the innovation. The innovation process in itself would be made a learning exercise with transparency about the successes, failures and lessons learnt. Innovations implemented will be showcased and the process repeated with other issues and problems.

(P.T.O.)

- ii. The innovation process outlined above will be applied to specific difficult problems identified by Government Departments, Public Sector Undertakings (PSU's) and District Collectors. The State Planning Commission will support this process. Separate detailed guidelines will be issued.
- iii. Innovative practices adopted, whether pre-existing, developed independently or with Tamil Nadu Innovation Initiative (TANII) intervention will be studied, their impact evaluated in a rigorous manner and detailed documentation done.
- iv. Awareness building and capacity building programmes would be conducted.

4) A State Innovation Fund will be set up by restructuring the existing Part-II Schemes (New Schemes) from the financial year 2015-2016. The fund will have an initial corpus of Rs.150.00 crores, which is the current level of allocation for Part-II Schemes. New schemes would be financed from the State Innovation Fund, if they are truly innovative in nature. Upto 5 percent from the State Innovation Fund will be utilized for other activities including awards, capacity building, awareness building, evaluation and documentation. The process of sanction and approval of proposals under the State Innovation Fund would follow a process similar to Part-II Schemes. A discussion in this regard will be held in the State Planning Commission after inviting proposals from the Government departments, Public Sector Undertakings (PSU's) and District Collectors for appraisal and sanction therefor. Detailed guidelines and schedule for submission of proposals, appraisal and discussions will be issued separately.

5) Initially TANII would work within Government and address processes and problems within Government agencies to foster innovation through a variety of promotional activities and funding support to innovative ideas, schemes and programmes in Government agencies. This idea could be eventually extended further to the non-Government sector as well.

6) An award in the name of "Chief Minister's Award for Innovation" will be instituted and awarded for the best innovative initiatives for which detailed guidelines will be issued separately.

7) The expenditure for the State Innovation Fund shall be debited to the following head of the account:

"3475.00 Other General Economic Services – 800. Other Expenditure – Schemes in the Twelfth Five Year Plan - II. State Plan – JH. State Innovation Fund – 10. Contributions – 09. Others (DPC Code 3475 00 800 JH 1092)"

8) This order issue with the concurrence of Finance Department vide its U.O. No. 53635/ Finance (Public) Department/ 2014, Dated: 26.09.2014.

(BY ORDER OF THE GOVERNOR)

S. KRISHNAN
PRINCIPAL SECRETARY TO GOVERNMENT.

To
The Member-Secretary, State Planning Commission, Chepauk, Chennai-5.
All Secretaries to Government, Secretariat, Chennai-9.
All Departments of Secretariat, Chennai-9.

All Head of Departments.
All Public Sector Undertakings.
All Universities.
All District Collectors.
The Accountant General (A&E), Chennai-18.
The Pay and Accounts Officer (East), Chennai-5.

Copy to:

The Principal Secretary to the Hon'ble Chief Minister, Secretariat, Chennai-9.
The Senior Personal Assistant to the Hon'ble Minister (Finance), Secretariat, Chennai-9.
The Personal Assistant to the Chief Secretary, Secretariat, Chennai-9.
The Senior Private Secretary to the Principal Secretary to Government,
Planning, Development and Special Initiatives Department, Secretariat, Chennai-9.
The Finance (Public) Department, Secretariat, Chennai-9.
Stock File/ Spare Copy.

// FORWARDED/ BY ORDER //

R. Senthil Kumar
26.7.14.

SECTION OFFICER.

VS
26/7/14



ABSTRACT

Tamil Nadu Innovation Initiatives – State Innovation Fund – Guidelines for Identification and Implementation of Innovative Schemes – Orders – Issued.

PLANNING, DEVELOPMENT AND SPECIAL INITIATIVES (SP.1) DEPARTMENT

G.O. (MS) No. 124.

**Dated: 24.10.2014.
Jaya, Iyppasi – 7
Thiruvalluvar Aandu 2045.**

Read:

Ref: G.O.Ms.No. 93, Planning, Development and Special Initiatives (SP.1) Department, Dated: 26.09.2014.

ORDER:

In the Government order read above, orders have been issued for the establishment of "Tamil Nadu Innovation Initiatives (TANII)" in the State Planning Commission to promote innovation in Government and Government agencies. In the above G.O., it has also been ordered that, a State Innovation Fund will be set up by restructuring the existing Part-II Schemes from the financial year 2015-2016 and the detailed guidelines in this regard, schedule for submission of proposals, appraisals and discussions will be issued separately.

2. Accordingly, the guidelines for Identification and Implementation of Innovative Schemes are issued as follows:

- I. For the purposes of the State Innovation Fund, an "innovation" means the introduction of a process/ practice/ approach/ technique or technology which is new or novel to public service delivery. Hence, it could be an entirely new idea or something which has already been attempted in a different field or in a different manner being applied now to public service delivery. The "innovation" should specifically address a public issue or problem with greater efficiency measured in terms of time and/ or cost saving, or improved service delivery in terms of greater ease of operation or improved stakeholder experience. An "Innovative Scheme" to be eligible for funding under the State Innovation Fund will require to fulfil the following criteria :-
 - a. The innovation or innovative scheme proposal should first identify a public issue or problem which needs to be addressed by the Government agency and is important enough to warrant an "innovation". This could be a gap in the existing services being provided or an issue that has not been tackled so far, but needs to be addressed. The problem/ issue needs to be clearly defined and of manageable proportions.
 - b. The "innovation" itself could be a new or novel or unconventional or creative intervention/ approach/ organizational model/ operational process/ service to tackle the identified issue/ problem that would lead to a substantial improvement in developmental/ governance outcomes.

(P.T.O.)

- c. Repetition of existing programmes or expansion of existing programmes to cover additional areas or target populations will not be considered innovation.
- d. Innovation may include use of new technology, although mere vendor driven technology off-loading should not be encouraged.
- e. Cost-effectiveness of the proposed innovation will be very relevant.

II. Eligible Agencies:

The eligible lead agencies in the first phase will include:

- i. State Government Departments
 - ii. Local Bodies
 - iii. State Public Sector Undertakings
 - iv. Statutory Boards formed by the State
 - v. State Co-operative Institutions
 - vi. State Universities
 - vii. Societies formed by the State
- a. In the case of local bodies, the proposed innovations should be routed through the concerned Heads of Departments, the Director of Rural Development for Rural Local Bodies, Commissioner Municipal Administration in the case of Corporations, other than Chennai and Municipalities and Director of Town Panchayats for Town Panchayats.
 - b. Co-operative Institutions should send their proposals through the Apex State Level Co-operative Federation.
 - c. Proposals from Societies formed by the State Government, should be routed through the concerned Head of Department or Secretariat Department.
 - d. Projects executed by eligible agencies in collaboration with Non-Governmental Organizations (NGOs) of repute can also be considered, provided that in every such case, evaluation of the innovative scheme by an independent, third party agency would be obligatory. The independent evaluation would be done by the Department of Evaluation and Applied Research or any evaluation agency either specially engaged for the purpose or drawn from a list of empanelled agencies maintained either by the State Planning Commission or Department of Evaluation and Applied Research.
 - e. The State Planning Commission would also accept suggestions from individuals whether they are Government employees or Private individuals or representing an organization. The State Planning Commission shall first internally review all such suggestions received directly for new schemes. In cases where the State Planning Commission is of the view that a suggestion can form the basis of a genuinely innovative scheme, it shall refer the suggestion to the concerned Administrative Department/ Agency for preparing a new

scheme. In case, the State Planning Commission is of the view that the suggestion requires further in-depth examination, it may refer the suggestion to the concerned Administrative Department/ Agency for detailed examination. The Department/ Agency may after detailed examination propose an Innovative Scheme, if deemed fit.

III. Procedure and Process:

There will be two rounds of sanction of financing from the State Innovation Fund. In the first round, the last date for receipt of proposals would be October 31 and in the second round, April 30. For 2014-15, since it is the first year, the last date for receipt of proposals would be extended upto November 30. The State Planning Commission may also entertain a high quality innovative scheme in the intervening periods as well.

In the second round of financing when proposals are received upto April 30, any announcements already made or proposed to be made in the Legislative Assembly by the Hon'ble Chief Minister or Hon'ble Minister concerned could also be accommodated. In such cases, the examination process by the State Planning Commission would be primarily with a view to shaping and structuring the innovative idea into a well designed scheme and resolving inter-departmental issues if any.

IV. Departmental Allocations:

The practice of making departmental allocations will not be followed under the State Innovation Fund in order not to artificially constrain genuine innovative ideas and to accommodate innovative schemes that may involve multiple departments. However, the State Planning Commission will work with all departments to ensure that the Fund is used in a way to seed innovation in all Departments and ensure that the sectoral balance is maintained in the medium term.

V. Size:

The upper ceiling for schemes to be funded from the Innovation Fund will be restricted to Rs.20 crores for the overall scheme cost with Rs.10 crores as the maximum permissible expenditure in a year. To the extent that scheme costs spill over into the subsequent years, they will be met out of the allocation made for the State Innovation Fund. The State Planning Commission based on the nature of proposals received may decide on internal limits on the size of "pilot" and "full fledged" schemes.

Departments/ agencies would be allowed to dovetail funding available from other sources, including "flexi funds" under Centrally Sponsored Schemes or funds available under externally aided projects to meet certain components of the innovative scheme if the funds available from the State Innovation Fund are inadequate. Part funding from the Non-Governmental Organizations who are assisting the Government agencies to implement the scheme could also be insisted upon where on appraisal it is considered that such involvement would enhance the stakes of such NGOs in the better implementation of the schemes. However, this such involvement by an NGO should not be the only driving factor to approve an innovative scheme.

(P.T.O.)

VI. Scheme Duration

Assistance for a scheme would be available from the Fund for a maximum total period of three (3) years, which may be extended by one more year in exceptional cases by the State Planning Commission.

VII. Permissible Scheme Components:

In general, since the idea is to enhance productivity, ordinarily no new staffing would be considered. Existing staff or redeployed staff should implement the innovation. In exceptional cases, with prior concurrence of Finance Department, redeployment of vacant posts may be permitted for implementing the innovation.

Recurring costs would be permissible within the overall scheme time limit of 3 years. Purchase of vehicles, air conditioners, and office equipment would generally not be permitted if that is the sole purpose of the scheme. However, equipment that is indispensable for implementation of an innovation can be considered subject ordinarily to a maximum ceiling of 25 per cent of the total project cost. Cost of engaging experts and consultants could also be considered in exceptional cases upto a maximum of 5 per cent of the project cost and strictly to provide specialized knowledge inputs and limited to specified contracted periods and terms.

The Innovation Fund shall not be utilized for gap-filling i.e. existing schemes currently being implemented in a few select districts or blocks cannot be expanded to cover more areas under the Innovation Fund. However, this does not preclude the dovetailing of funds indicated in para (V) above.

VIII. Format for the proposal:

The State Planning Commission will prescribe a format for the proposal which will contain all requisite information for appraising the proposed innovation.

IX. Appraisal:

- i. The State Planning Commission will call for proposals from the fund in April and January each year, giving adequate time for preparation of the schemes. The Commission will also prescribe the formats for obtaining such data as may be necessary along with scheme proposals, in order to facilitate detailed examination of the schemes by it.
- ii. Heads of Department shall send these proposals to the State Planning Commission by 15th May and 15th February of each year in the prescribed formats.
- iii. The Member-secretary, State Planning Commission, will appraise the proposals in the Commission and in meetings with individual Heads of Department. Such meetings will be held during June-July and during March-April each year, giving adequate time for examination of all new schemes and for obtaining additional information or making modifications. Proposals which do not constitute an innovation will not be considered.
- iv. During the appraisal, proposals not considered sufficiently beneficial will be weeded out and a shelf of recommended proposals prepared, after careful consideration of the proposal content including requirement of additional staff and over-head expenditure. The costs of implementation of each such proposal in the initial year and in subsequent years will be estimated and cash flow statements prepared for each year of implementation.

- v. In November/ May of each year, the State Planning Commission will then call for meetings with the Secretary to Government concerned and the Heads of Department concerned and the Members of the Planning Commission. This meeting will consider the shelf of appraised schemes, prioritise them and recommend for funding from the Innovation Fund.

X. Focus Areas for Appraisal:

The appraisal in the State Planning Commission would focus on the following aspects:

- a. Clear articulation of the specific innovation to be implemented/ tested.
- b. Clear outlining of present situation including constraints and how the innovation would help.
- c. Clear indication why the innovation cannot be implemented within an existing on-going scheme or by identifying savings from existing schemes.
- d. Potential social and economic benefit to stakeholders/ beneficiaries.
- e. Clear case that innovation can feasibly achieve better results at lower cost than status quo or alternatives.
- f. Description of department's capacity to implement.
- g. Well-defined and designed metrics to measure success.
- h. Extent to which the innovation would influence future implementation design and scaling up of the same scheme or similar schemes.

XI. Awareness Building, Capacity Building, Evaluation, Documentation and Awards for the Innovations:

The State Innovation Fund has a provision of utilising 5 per cent every year for the purpose of awards, awareness building, capacity building, evaluation and documentation.

- a. In cases where the State Planning Commission finds that the innovation proposed by any agency is fundamentally sound, but the scheme requires to be better formulated and structured, the State Planning Commission would provide such assistance either through its own staff or engage a suitable consultant to provide such assistance. In engaging such external consultants, the Transparency in Tenders Act, 1998 and the Transparency in Tenders Rules, 2000 would be followed. Based on the requirement of such assistance, the State Planning Commission may also empanel consultants who may be engaged for such assistance.
- b. In the following cases, a detailed impact evaluation of the innovative schemes would be taken up:
 - i. Cases where the State Planning Commission is of the view that such an evaluation is required to be done;
 - ii. Cases of impact evaluation approved by the State Steering Committee under the Memorandum of Understanding with J-PAL (G.O. Ms No. 81, Planning, Development and Special Initiatives (ST2 & E) Department, Dated: 2.9.2014)
 - iii. Cases where the scheme is proposed to be implemented in association with an NGO [as indicated in para II (d)].

(P.T.O.)

XII. Accounting:

Since the primary purpose of setting up the State Innovation Fund is to encourage innovation and ensure that only quality schemes are financed adequately, it will operate as a separate non-lapsable Fund within the Public Account. This will ensure that there is no pressure to sanction schemes only to exhaust the budgetary allocation and at the same time the unutilised amounts are allowed to accumulate in the Fund balance at the end of the financial year for use in the next fiscal year for good scheme ideas. At the beginning of the year it would be credited with Rs.150 crores or such amount as the Government may determine. As and when innovative schemes are approved, the Finance Department will allocate a separate sub-head of account in the Consolidated Fund by debiting the Fund account and the expenditure would be incurred by drawal from the PAO/ Treasury. Any unutilised balance in the Fund would be carried over into the next financial year and would be available for sanctioning innovative schemes in the subsequent year. The Fund will be utilised to fund the expenditure on approved schemes upto a period of three years, after which if the Government intends to continue the scheme, it shall be sanctioned as a regular on-going scheme.

Similarly, in the case of the 5 per cent funds set apart for capacity building, evaluation, documentation and awareness building, 5 per cent of the budget provision made in the year for the State Innovation Fund will be transferred from the Fund account into a separate head of account under the control of the State Planning Commission. Any unutilised balance at the end of the year would be transferred back to the Fund account for accumulation and carry over into the subsequent year. However, such unutilised balances would not be available for use for capacity building, documentation etc in the subsequent year, as the permissible expenditure on these items would be limited to 5 per cent of the budget provision of that particular year.

XIII. Approvals in Government:

As indicated in G.O. Ms No. 93, Planning, Development and Special Initiatives (SP.1) Department, Dated: 26.09.2014, the sanction of the schemes recommended for implementation out of the State Innovation Fund in Government will follow the same procedure as for Part-II Schemes as prescribed in paras 83, 84 and 75 of the Tamil Nadu Budget Manual.

This order issue with the concurrence of the Finance Department vide its U.O.No.29/ DS (PW)/ 2014, Finance Department, Dated: 24.10.2014.

(BY ORDER OF THE GOVERNOR)

S. KRISHNAN
PRINCIPAL SECRETARY TO GOVERNMENT.

To
The Member-Secretary, State Planning Commission, Chepauk, Chennai-5.
All Secretaries to Government, Secretariat, Chennai-9.
All Departments of Secretariat, Chennai-9.
All Head of Departments.
All Public Sector Undertakings.
All Universities.
All District Collectors.
The Accountant General (A&E), Chennai-18.
The Pay and Accounts Officer (East), Chennai-5.

Copy to:

The Principal Secretary to the Hon'ble Chief Minister, Secretariat, Chennai-9.

The Senior Personal Assistant to the Hon'ble Minister (Finance), Secretariat, Chennai-9.

The Private Secretary to the Chief Secretary, Secretariat, Chennai-9.

The Senior Private Secretary to the Principal Secretary to Government,

Planning, Development and Special Initiatives Department, Secretariat, Chennai-9.

The Finance (Public) Department, Secretariat, Chennai-9.

Stock File/ Spare Copy.

// FORWARDED/ BY ORDER //

R. *[Signature]* 24.10.14.

SECTION OFFICER.



ABSTRACT

FUNDS – State Innovative Fund – Implementation of Innovative Schemes – Operational Guidelines for sanction of funds – Orders – Issued.

PLANNING, DEVELOPMENT AND SPECIAL INITIATIVES (SP.1) DEPARTMENT

G.O. (MS) No.153

**Dated: 23.12.2014.
Jaya, Margazhi – 8.
Thiruvalluvar Aandu 2045.**

Read:

- Ref : 1. G.O.Ms.No.93, Planning, Development and Special Initiatives (SP.1) Department, Dated: 26.9.2014.
2. G.O.Ms.No.124, Planning, Development and Special Initiatives (SP.1) Department, Dated: 24.10.2014.

ORDER:

In the Government order, first read above, orders were issued for constituting a State Innovation Fund by restructuring the existing Part-II Schemes (New Schemes) from the financial year 2015-2016 with an initial corpus of ₹ 150 crores. It has also been ordered that, upto five percent from the State Innovation Fund will be utilized for other activities including awards, capacity building, awareness building, evaluation and documentation.

2) In the Government order second read above, detailed guidelines were issued for identification and implementation of innovative schemes. In the above guidelines, it has been indicated that, the fund will be operated as a separate non-lapsable Fund within the Public Account. At the beginning of the year, it would be credited with ₹ 150 crores or such amount as the Government may determine. As and when innovative schemes are approved, the Finance Department will allocate a separate sub-head of account in the Consolidated Fund by debiting the Fund account and the expenditure would be incurred by drawal from the PAO/ Treasury. Any unutilized balance in the Fund would be carried over into the next financial year and would be available for sanctioning innovative schemes in the subsequent year. In the case of the five percent funds set apart for capacity building, evaluation, documentation and awareness building, five percent of the budget provision made in the year for the State Innovation Fund will be transferred from the Fund account into a separate head of account under the control of the State Planning Commission. Any unutilized balance at the end of the year would be transferred back to the Fund Account for accumulation and carry over into the subsequent year.

(P.T.O.)

3) Accordingly, the Government now issues the following accounting procedure for transactions under the State Innovation Fund.

- i) The annual allocation to the State Innovation Fund shall be made under the following new Revenue Expenditure head of account opened under Grant No. 36. Planning, Development and Special Initiatives Department: HOD: 04 State Planning Commission.

"3475.00.Other General Economic Services- 797. Transfer to Reserve Funds/ Deposit Accounts- II.State Plan- JA.Amount Transferred to State Innovation Fund- 30.Inter Accounts Transfer (DPC 3475 00 797 JA 3002)".

- ii) The provision so made shall be credited to the State Innovation Fund in Part-III-Public Account under the following new head of account opened under Demand No: 36, Planning, Development and Special Initiatives Department: HOD 04: State Planning Commission.

J. Reserve Fund.

(b). Reserve Funds not bearing interest.

"8229.00.Development and Welfare Funds- 200.Other Development and Welfare Funds- BE.State Innovation Fund".

(DPC 8229 00 200 BE 000E)	(Receipts)
(DPC 8229 00 200 BE 0006)	(Outgo)

- iii) As the expenditure are to be sanctioned from State Innovation Fund for innovative schemes to the eligible lead agencies like State Government Departments, Local Bodies, State Public Sector Undertakings, Statutory Boards formed by the State, State Co-operative Institutions, State Universities and Societies formed by the State, the expenditure shall be classified under the functional major head of the department concerned in the respective Demands for Grants by duly opening a sub-head viz., "Schemes under State Innovation Fund – (Name of the Implementing Agency)" under a suitable sub-major and minor heads.

- iv) The following 'Deduct' minor head/ sub-head shall be opened under the respective functional major/ sub-major head for meeting the earmarked expenditure as reimbursement from the Reserve Fund.

"902.Deduct- amount met from Reserve Fund- II State Plan- (Alpha). Deduct- Amount met from State Innovation Fund- 30.Inter Accounts Transfer."

- v) The expenditure out of five percent of annual budget allocation to the Fund set apart for awareness building, capacity building, evaluation, documentation and awards shall be debited under the suitable detailed head under the following new head of account opened under Grant No.36, Planning, Development and Special Initiatives Department: HOD 04: State Planning Commission.

"3475.00.Other General Economic Services- 800.Other Expenditure- II.State Plan- JI.Awareness building, capacity building, evaluation, documentation and awards for innovation (DPC 3475 00 800 JI 0000)".

- vi) The following new 'Deduct' sub-head shall also be opened under Grant No.36, Planning, Development and Special Initiatives Department: HOD: 04 State Planning Commission for meeting the earmarked expenditure as reimbursement from the Reserve Fund.

"3475.00.Other General Economic Services- 902.Deduct- amount met from Reserve Fund- JA.Deduct- Amount met from State Innovation Fund- 30.Inter Accounts Transfer (DPC 3475 00 902 JA 3007)"

Any unutilized balance in the above amount at the end of the year would be transferred back to the Fund Account.

4) The Member-Secretary, State Planning Commission shall be the estimating, reconciling and controlling authority for the new head of account.

5) The Pay and Accounts Officers and Treasury Officers shall open the above new heads of account in their accounts.

6) The Member-Secretary, State Planning Commission shall furnish the particulars of the amount to be credited to the State Innovation Fund and the statement of expenditure to be met from the fund at the close of each financial year to the Accountant General.

7) The accounts of the State Innovation Fund shall be audited by the Accountant General or such auditor as Comptroller and Auditor General may suggest.

(BY ORDER OF THE GOVERNOR)

**S.KRISHNAN
PRINCIPAL SECRETARY TO GOVERNMENT.**

To

The Member-Secretary, State Planning Commission, Chepauk, Chennai-5.

✓ All Secretaries to Government, Secretariat, Chennai-9.

All Departments of Secretariat, Chennai-9.

All Head of Departments.

All Public Sector Undertakings.

All Universities.

All District Collectors.

The Accountant General (A&E), Chennai-18.

The Pay and Accounts Officer (East), Chennai-5.

The Pay and Accounts Officer (South), Chennai.

The Pay and Accounts Officer, Madurai.

All District Treasuries/ Treasuries.

Copy to:

The Principal Secretary to the Hon'ble Chief Minister, Secretariat, Chennai-9.

The Senior Personal Assistant to the Hon'ble Minister (Finance), Secretariat, Chennai-9.

The Private Secretary to the Chief Secretary, Secretariat, Chennai-9.

The Senior Private Secretary to the Principal Secretary to Government,

Planning, Development and Special Initiatives Department, Secretariat, Chennai-9.

The Finance (Public/ BGII) Department, Secretariat, Chennai-9.

Stock File/ Spare Copy.

// FORWARDED/ BY ORDER //

R. Shanmugam
23.12.14.

SECTION OFFICER.

23/12/14

Chapter II: Department wise recommended Outlay under TANII

Department wise Recommended Outlay			2015-16	2016-17	2017-18	2018-19 (Round I)	Total
S.No	Department	No. of project	Total outlay (Rs in lakhs)				
1	Adi Dravidar & Tribal Welfare Department	1	35.00	0.00	0.00	0.00	35.00
2	Agriculture Department	20	1976.10	944.15	1631.25	0.00	4551.50
3	Animal Husbandry, Dairy and Fisheries Department	9	2305.50	2138.55	731.80	0.00	5175.85
4	Co-operation, Food and Consumer Protection Department	1	273.00	0.00	0.00	0.00	273.00
5	Energy Department	5	536.10	0.00	0.00	170.00	706.10
6	Environment & Forest Department	29	286.42	506.24	144.19	1344.36	2281.21
7	Finance Department	1	200.00	0.00	0.00	0.00	200.00
8	Handloom Handicrafts, Textiles and Khadi Department	15	1907.45	124.22	329.67	0.00	2361.34
9	Health and Family Welfare Department	20	1557.13	1560.40	5328.71	0.00	8446.24
10	Higher Education Department	3	2129.40	0.00	0.00	0.00	2129.40
11	Highways and Minor Ports Department	6	283.70	0.00	270.00	4.00	557.70
12	Home, Prohibition and Excise Department	14	259.48	653.93	373.46	0.00	1286.87
13	Housing and Urban Development Department	1	0.00	0.00	258.08	0.00	258.08
14	Information and Technology Department	6	250.00	0.00	1179.26	0.00	1429.26
15	Labour and Employment Department	4	106.30	358.98	0.00	0.00	465.28
16	Law Department	1	71.52	0.00	0.00	0.00	71.52
17	Micro, Small and Medium Enterprises Department	5	0.00	2679.00	90.00	0.00	2769.00
18	Municipal Administration and Water Supply Department	5	1048.00	0.00	0.00	0.00	1048.00
19	Personnel and Administrative Reforms & Training Department	2	0.00	101.67	0.00	0.00	101.67

Department wise Recommended Outlay			2015-16	2016-17	2017-18	2018-19 (Round I)	Total
20	Planning, Development and Special Initiatives Department	11	1432.54	231.28	0.00	8.50	1672.32
21	Public Department	7	0.00	0.00	59.10	113.10	172.20
22	Revenue and Disaster Management Department	5	118.00	100.00	814.60	0.00	1032.60
23	Rural Development & Panchayat Raj Department	2	275.29	0.00	0.00	0.00	275.29
24	School Education Department	20	163.95	2196.15	1380.96	0.00	3741.06
25	Social Welfare Department	9	956.56	566.57	967.06	781.62	3271.81*
26	Tourism, Culture and Religious Endowments Department	13	16.50	160.06	47.00	60.00	283.56
27	Welfare of Differently Abled Persons Department	9	0.00	536.51	692.78	28.68	1257.97
28	Youth Welfare and Sports Development Department	14	1345.00	981.00	1342.20	235.05	3903.25
	Grand Total	238	17532.94	13838.71	15640.12	2745.31	49757.08

*- Two schemes with an outlay of Rs. 533.77 lakhs & Rs.606.99 lakhs with respect to social welfare department were withdrawn as the scheme components sanctioned in 2016-17 and 2018-19 (Round – I) respectively.

Chapter III: Department wise recommended Schemes

Total schemes recommended by the State Planning Commission under TANII implementation out of State Innovation Fund

Sl. No.	Name of the Scheme	Cost of the project(Rs. in lakhs)			
		1st Year	2nd Year	3rd Year	Total
Adi Dravidar and Tribal Welfare Department					
2015-16					
1	Establishment of Hostel Management System at one college hostel in each district (G.O.(Ms) No.21 AD&TW, dated:17.02.2016)	35.00	0.00	0.00	35.00
Total		35.00	0.00	0.00	35.00
Agriculture Department					
2015-16					
2	Ultra High Density planting for Mango, Guava and Moringa, modern method of fruit cultivation using dwarf tree with modified canopy (G.O.(D).No.255 Agri, dated: 15.10.2015)	157.00	5.00	5.00	167.00
3	Study on Rhizotron based plant –microbe- soil interaction for yield sustainability (G.O.(D).No.255, Agri, dated: 15.10.2015)	900.00	0.00	0.00	900.00
4	Farm pond allied integrated enterprises for sustainable livelihood - pilot project (G.O.(MS).No.231, Agri, dated: 23.10.2015)	15.00	0.00	0.00	15.00
5	Bio-enrichment of soil by intercropping Green Manure Crops in Rice Agro-ecosystem (G.O.(MS).No.234, Agri, dated: 27.10.2015)	30.00	0.00	0.00	30.00
6	Promotion of organic farming through intensification of Bio-pesticide production (G.O.(Ms).No.235 Agri, dated: 27.10.2015)	44.15	0.00	0.00	44.15
7	On-farm soil fertility enrichment in sugarcane fields using Bio- mineraliser (G.O.(Ms).No.233, Agri, dated: 27.10.2015) & (G.O.(Ms) No.290, Agri, dated: 28.12.2015 - amendment)	50.00	0.00	0.00	50.00
8	Installation of Model Grid Tie Solar PV Power Plant without battery for a capacity of 32 KWp at O/o Chief Engineer, AED, Chennai. (G.O.(D).No.272, Agri, dated: 25.11.2015)	24.80	0.00	0.00	24.80

Sl. No.	Name of the Scheme	Cost of the project(Rs. in lakhs)			
		1st Year	2nd Year	3rd Year	Total
9	Integrated seed production hub for Southern Districts of Tamil Nadu at Agricultural College and Research Institute, Killikulam. (G.O.(D).No.262, Agri, dated: 12.11.2015)	500.00	0.00	0.00	500.00
10	Large Area Impact Demonstration of Fruit Flies Trapping Technology to minimise Yield Losses to Horticultural Farmers In Tamil Nadu (G.O.(D).No.262, Agri, dated: 12.11.2015) (Sanction restricted to Rs.245.10 lakhs)	135.05	55.05	55.05	245.15
2016-17					
11	Promotion, Commercialization, Post Harvest Processing and Industrial Application of Annatto as a Source of Natural Dye and Establishing Natural Dye Park. (G.O.(D) No.262, Agriculture (AU) Dept. dated:17.11.2016)	224.00	0.00	0.00	224.00
12	Revitalization of Millets for nutritional security and enhanced productivity (G.O.(D) No.262, Agriculture (AU) Dept. dated:17.11.2016)	72.60	72.60	42.60	187.80
13	Implementation of Smart Water saving Techniques in Rice cultivation (G.O.(Ms) No.285, Agriculture (AP-4) Dept. dated:22.09.2016)	157.85	0.00	0.00	157.85
14	Mitigating Occupational drudgery of farm women through ergonomic interventions (G.O.(D) No.75, Agriculture (AU) Dept. dated:17.3.2017)	83.00	51.00	43.00	177.00
15	Establishment of Integrated organic silvo pasture models suitable for Alfisol Tracts of Tamil Nadu (G.O.(D) No.76, Agriculture (AU) Dept. dated:17.3.2017)	197.50	0.00	0.00	197.50
2017-18					
16	Establishment of Infrastructure to Develop Nutritionally Enhanced premium Quality and Stress Resilient Rice Varieties. G.O.(D) No.202, Agriculture (AU) Dept., Dated:28.07.2017.	246.00	10.00	0.00	256.00
17	Production and supply of quality grafted vegetable seedlings of Major Vegetable Crops G.O.(D) No.203, Agriculture (AU) Dept., Dated:28.07.2017.	277.75	0.00	0.00	277.75

Sl. No.	Name of the Scheme	Cost of the project(Rs. in lakhs)			
		1st Year	2nd Year	3rd Year	Total
18	Organic inputs and bio-inputs characterization for sustainable organic agriculture G.O.(D) No.204, Agriculture (AU) Dept., Dated:28.07.2017.	117.00	8.00	7.00	132.00
19	Ensuring Supply of uniform and quality planting material in coconut through micro propagation G.O.(D) No.52 Agriculture(AU) Dept., Dated: 27.03.2018.	321.00	321.00	21.00	663.00
20	Skill Development and Employment Generation in Palmyrah based ventures for Rural youth. G.O.(D) No.53 Agriculture(AU) Dept., Dated: 27.03.2018.	136.50	0.00	0.00	136.50
21	Optimizing farm mechanization practices for different soil types and crops of Madurai district G.O.(D) No.54 Agriculture(AU) Dept., Dated: 27.03.2018.	83.00	83.00	0.00	166.00
	Total	3772.20	605.65	173.65	4551.50
	Animal Husbandry, Dairy and Fisheries Department				
	2015-16				
22	Establishment of Aquatic Rainbow Technology Park (G.O.(Ms).No.204 AHD&F, dated:04.11.2015)	576.00	376.00	78.50	1030.50
23	Establishment of Bio-Safety Level-III (BSL-III) Laboratory (G.O.(Ms).No.202 AHD&F, dated:30.10.2015)	800.00	475.00	0.00	1275.00
	2016-17				
24	Establishment of Ethno veterinary herbal products research and development centre at Thanjavur. (G.O.(MS) No.56, AH&F (AH.6) Dept. dated:2.3.2017)	821.11	481.42	70.42	1372.95
25	Establishment of Fodder production farm in Maikkalpurambokku land in Madurai District (G.O. is awaited)	100.00	0.00	0.00	100.00
26	E-Fish Health Surveillance network to improve fisheries production. (G.O.(MS) No.54, AH&F (FS.4) Dept. dated:2.3.2017)	427.60	81.40	81.40	590.40

Sl. No.	Name of the Scheme	Cost of the project(Rs. in lakhs)			
		1st Year	2nd Year	3rd Year	Total
27	Development and demonstration of innovative fisheries engineering interventions for the production maximization in fisheries industries. (G.O.(MS) No.54, AH&F (FS.4) Dept. dated:2.3.2017)	75.20	0.00	0.00	75.20
2017-18					
28	Development and standardization of a Novel DIVA (Marker) vaccine against Newcastle disease to augment production from poultry. (G.O.Ms.No.157, AHD&F (AH&F.6), Dated:8.8.2017).	125.00	20.75	20.75	166.50
29	Bio electricity and Bio hydrogen production using slaughter house waste rumen fluid. (G.O.Ms.No.158, AHD&F (AH&F.6), Dated:8.8.2017).	10.30	4.75	4.75	19.80
30	One Health Approach for Animal and Public Health to Augment Food Safety and Productivity (G.O.Ms.No.160, AHD&F (KM6), Dated:8.8.2017).	471.50	37.00	37.00	545.50
Total		3406.71	1476.32	292.82	5175.85
Co-operation, Food and Consumer Protection Department					
2015-16					
31	Establishing Solar Energy Systems to Godowns, Fair Price Shops and Modern Rice Mills. (G.O(Ms) No.21 CF&CP, dated: 23.02.2016)	273.00	0.00	0.00	273.00
Total		273.00	0.00	0.00	273.00
Energy Department					
2015-16					
32	Establishment of 170 KW Grid – connected Solar Photovoltaic Power Plants in Irumbai village of Vanur Taluk, Villupuram District and to provide uninterrupted electricity and make it as a solar village on a pilot basis. (G.O.(Ms).No.65 Energy, dated: 30.10.2015)	206.10	0.00	0.00	206.10
33	Demonstration Project on Energy Efficiency among Public Sector Rice Mills (G.O.(Ms).No.66 Energy, dated: 30.10.2015)	10.00	10.00	10.00	30.00

Sl. No.	Name of the Scheme	Cost of the project(Rs. in lakhs)			
		1st Year	2nd Year	3rd Year	Total
34	Transformer Insulation Preservation using Innovative External Bellows developed by R&D TANGEDCO. (G.O.(Ms).No.70 Energy, dated: 20.11.2015)	150.00	0.00	0.00	150.00
35	Retro filling of Distribution class Transformers with bio- degradable, non-flammable synthetic ester oil. (G.O.(Ms).No.69 Energy, dated: 18.11.2015)	150.00	0.00	0.00	150.00
2018-19 (Round I)					
36	Comprehensive condition monitoring techniques for lightning arresters of substations.	170.00	0.00	0.00	170.00
Total		686.10	10.00	10.00	706.10
Environment & Forest Department					
2015-16					
37	Augmenting Drinking water supply to wildlife through motors energized by solar power (G.O (D) No.240 E&F, dated:18.12.2015)	108.00	0.00	0.00	108.00
38	Training and utilising services of volunteers in Rescue and Release of Wildlife (G.O(D) No.237 E&F, dated: 16.12.2015)	30.00	0.00	0.00	30.00
39	Crocodile Transition Camp (G.O(D) No.241 E&F, dated:18.12.2015)	20.00	0.00	0.00	20.00
40	Developing bio-shields for public safety along the coast. (G.O (2D).No.105 E&F, dated: 06.11.2015)	7.03	0.00	0.00	7.03
41	Conservation of genetic diversity of Santalum album for future public needs. (G.O (D) No.238 E&F, dated:16.12.2015)	2.85	0.00	0.00	2.85
42	Remote Data Management solution for research activities of Forest Department. (G.O(D) No.11 E&F, dated:25.01.2016)	22.00	0.00	0.00	22.00
43	Solar Powered Real Time Wireless Video Surveillance System for improving the protection of Red Sanders. (G.O(D) No.239 E&F, dated:16.12.2015)	96.54	0.00	0.00	96.54
2016-17					
44	Establishment of MIS with video conference facilities in Virudhunagar Circle. (G.O.(D) No.220,Environment & Forests (FR-11) Dept. dated:16.12.2016)	63.00	0.00	0.00	63.00

Sl. No.	Name of the Scheme	Cost of the project(Rs. in lakhs)			
		1st Year	2nd Year	3rd Year	Total
45	Development of Mobile Application (Tamil & English) and an online interface for Tree plantation under various Government Schemes. (G.O.(D) No.218,Environment & Forests (FR-11) Dept. dated:15.12.2016)	18.40	0.00	0.00	18.40
46	E-learning – Interactive Online Environmental Awareness for School Children. (G.O.(2D) No.76,Environment & Forests (EC-2) Dept. dated:14.11.2016)	14.44	12.11	14.16	40.71
47	Maximizing the ground water recharge in the Vanagaram Reserved Forest of Ariyalur Forest Division. (G.O (D) No.39,Environment & Forests (FR-7) Dept. dated:22.02.2017)	10.00	2.50	2.50	15.00
48	Non Destructive method by ultrasonic standardised for assessment of internal decay and hollowness in standing trees and timbers. (G.O.(D) No.40,Environment & Forests (FR-4) Dept. dated:23.02.2017.)	17.00	8.00	2.00	27.00
49	Restoration of the Tropical Dry Evergreen Forest (TDEF) in Nanmangalam Reserve Forests, Chennai. (G.O.(D) No.32,Environment & Forests (FR-6) Dept. dated:13.02.2017)	57.53	49.97	12.50	120.00
50	Project Kaliru (G.O.(D) No.31,Environment & Forests (FR-5) Dept. dated:10.02.2017)	138.75	0.00	0.00	138.75
51	Women Empowerment through Conservation of Medicinal Plants. (G.O.(D) No.33,Environment & Forests (FR-6) Dept. dated:13.02.2017)	19.25	21.13	23.00	63.38
52	Surveillance of Forest and Wildlife areas through Drone Technology. (G.O.(D) No.27,Environment & Forests (FR-5) Dept. dated:08.02.2017)	20.00	0.00	0.00	20.00
	2017-18				
53	Providing 300 litre fermentor and mixing in blender - 50 kg capacity. (G.O.(D) No.38 E&F(FR.7) Dept. Dated: 09.02.2018)	10.00	1.00	1.00	12.00

Sl. No.	Name of the Scheme	Cost of the project(Rs. in lakhs)			
		1st Year	2nd Year	3rd Year	Total
54	Creation of Bio-fence along Forest boundary to improve the habitat of Slender Loris. (G.O.(D) No.37 E&F(FR.6) Dept. Dated: 07.02.2018)	27.60	0.00	0.00	27.60
55	Restoration of Native Grass Land in Kodaikanal Division. (G.O.(D) No.42 E&F(FR.6) Dept. Dated: 13.02.2018)	84.70	0.00	0.00	84.70
56	Composting the bio wastage generated in State Forest Research Institute through modern machinery and techniques. (G.O.(D) No.40 E&F(FR.7) Dept. Dated: 09.02.2018).	10.00	0.00	0.00	10.00
57	Development of Novel expression markers to aid in the screening of tamarind genotypes for superior fruit characteristics. (G.O.(D) No.39 E&F(FR.7) Dept. Dated: 09.02.2018)	9.89	0.00	0.00	9.89
2018-19 (Round I)					
58	Award for best Ad-films on Environmental Protection	20.00	30.00	0.00	50.00
59	Establishment of orchidarium in Anamalai Tiger Reserve	44.00	2.90	0.00	46.90
60	Smart classes in the forest schools of Tirurpattur forest division	15.24	0.00	0.00	15.24
61	Advanced barrier type through erection of Wire Rope Fencing along RF boundaries to mitigate human – wildlife conflict.	222.05	14.90	24.90	261.85
62	Tribal Eco Cultural Village – A living Museum in Sathyamangalam Division, Sathyamangalam Tiger Reserve, Erode.	700.00	0.00	0.00	700.00
63	Providing Solar powered Boats for Eco Tourism at Kalakad Mundanthurai Tiger Reserve and environmental awareness.	225.00	0.00	0.00	225.00
64	Development Water Management strategy in Point Calimere wildlife sanctuary	27.50	0.00	0.00	27.50
65	Proposal for “Long term monitoring of montane grasslands including establishment of field research station at Grass-hills area of the Anamalai Tiger Reserve, Tamil Nadu”	10.78	7.09	0.00	17.87
Total		2051.55	149.60	80.06	2281.21

Finance Department					
2015-16					
66	E-Governance Initiatives Audit information management system in Co-operative Audit and Local Fund departments. (G.O.(Ms).No.291Finance,dated:03.11.2015)	100.00	100.00	0.00	200.00
Total		100.00	100.00	0.00	200.00
Handlooms, Handicraft ,Textiles &Khadi Department					
2015-16					
67	Purchase of Electronic Jacquard Operated through Pneumatic Drive System for handlooms. (G.O.(2D) No.15 HHTK, dated:14.10.2015)	120.00	120.00	120.00	360.00
68	Supply of "Pneumatic Handloom" for Handloom Weavers. (G.O.(2D) No.14, HHTK, Dated:14.10.2015)	45.00	45.00	45.00	135.00
69	Installation of Tub Dyeing Units with 6 Arms Dyeing machines. (G.O.(Ms).No.161 HHTK, dated: 14.10.2015)	30.00	30.00	30.00	90.00
70	Purchase of Washing cum Rinsing Machine for Silk Dyeing Units. (G.O.(Ms).No.162,HTK,dated:14.10.2015)	3.00	3.00	3.00	9.00
71	Repositioning Co-optex as a premium brand through the launch of niche boutiques. (G.O.(2D) No.13 HHTK, dated: 14.10.2015)	120.00	0.00	0.00	120.00
72	Design Research and development centre (G.O.(Ms).No.167 HHTK, Dated: 30.10.2015) (Sanction restricted to Rs.168.00 lakhs)	168.45	0.00	0.00	168.45
73	Developing a exhibition cum demonstration centre to expose silkworms rearing activities to the farmers. (G.O.(Ms).No.158 HHTK, Dated: 14.10.2015)	250.00	0.00	0.00	250.00
74	Purchase of Motorised Jacquard Machines for Handlooms. (G.O.(2D).No.16 HHTK, Dated: 06.11.2015)	225.00	225.00	225.00	675.00
75	e-Repository of Artisans (G.O.(Ms).No.171 HHTK, Dated: 09.11.2015)	100.00	0.00	0.00	100.00
2016-17					
76	Installation of "Solar Power Panels for lighting load" for Ramanathapuram cooperative Spinning Mills. (G.O.(Ms) No.92, Handlooms, Handicrafts, Textiles and Khadi (1) Dept. dated:31.03.2017)	86.72	0.00	0.00	86.72

77	Installation of "XRF Analyzers" at Kancheepuram and Kumbakonam to create awareness in checking the quality of zari under non-destructive method. (G.O.(Ms) No.63, Handlooms, Handicrafts, Textiles and Khadi (E-1) Dept. Dated:14.03.2017)	37.50	0.00	0.00	37.50
2017-18					
78	Modernisation of the sales counters of the Madurai Khadi Kraft. (G.O.(2D) No.18, Handlooms, Handicrafts, Textiles and Khadi (F-2) Dept. Dated:24.10.2017).	80.00	0.00	0.00	80.00
79	Promoting heritage and handicraft of Tamil Nadu through virtual Reality showrooms. (G.O.Ms. No.33, HHTK(G2) Dept. Dated:22.2.2018).	188.27	14.20	14.20	216.67
80	Purchase of Handloom Mobile Express. (G.O.(2D) No.4 HHTK(D1) Dept. Dated:26.2.2018).	30.00	0.00	0.00	30.00
81	Installation Design and Development of Industrial Combined washing and Hydro extractor for silk materials. (G.O.(2D) No.5 HHTK(D1) Dept. Dated:28.2.2018).	3.00	0.00	0.00	3.00
Total		1486.94	437.20	437.20	2361.34
Health and Family Welfare Department					
2015-16					
82	Technology to achieve zero stigma and discrimination against HIV affected. (G.O.(Ms).No.29 H&FW , dated: 28.01.2016) & G.O.(D) No.302 H&FW, dated: 18.02.2016) (sanction restricted to Rs.9.98 lakhs)	10.05	0.00	0.00	10.05
83	Upgradation of Sick Newborn Care Unit. (G.O.(Ms).No.314 H&FW, dated: 15.10.2015)	1000.08	0.00	0.00	1000.08
84	Establishment of Molecular Diagnostic Laboratory at the Institute of Child Health and Hospital for Children at Egmore and Prevention and intervention of persons with Mental retardation (PIPMR). (G.O.(Ms)No.118 H&FW, Dated:04.03.2016)	302.00	0.00	0.00	302.00
85	An Integrated Working Model to identify, prevent and set base for neglected Paediatric disorders – care of Duchenne Muscular Dystrophy (DMD). (G.O.(Ms)No.27 H&FW, dated:27.01.2016) & G.O.(Ms.) No.124 H & FW, dated:4.3.2016)	138.00	71.00	36.00	245.00

2016-17					
86	Replacement of the lost part of upper/ lower Jaw (103.88+4.88+4.88= 113.64 lakhs) (G.O.(D) No.1625,Health and Family Welfare (E-1) Dept. dated:17.11.2016)	113.64	0.00	0.00	113.64
87	Web based epidemic prone infectious disease notification system for prevention and control of epidemics in 12 Corporations of Tamil Nadu. (G.O.(Ms) No.236,Health and Family Welfare (P-1) Dept. dated:23.09.2016) & (G.O.(Ms) No.49,Health and Family Welfare (P-1) Dept. dated:22.02.2017)	298.00	0.00	0.00	298.00
88	Implementation of Community Mental Health Project at Puliyampatti, Ottapidaram Taluk. (G.O.(Ms) No.256,Health and Family Welfare (EAP2) Dept. dated:25.10.2016)	51.56	0.00	0.00	51.56
89	Innovative strategies to reduce mortality of children presenting with fever. (G.O.(D) No.619,Health and Family Welfare (E-1) Dept. dated:20.03.2017)	486.70	0.00	0.00	486.70
90	Testing of Hbs Ag & TSH in pregnant mothers in high performing CEmONC centres. (G.O.(Ms) No.78,Health and Family Welfare (EAP II-1) Dept. dated:17.03.2017)	232.50	0.00	0.00	232.50
91	Strengthening Vector Surveillance in Tamil Nadu by Detection of Dengue Viruses in Field Caught Mosquitoes. (G.O.(Ms) No.79,Health and Family Welfare (EAP II-1) Dept. dated:17.03.2017)	318.00	30.00	30.00	378.00
2017-18					
92	Establishment of Cardiac Care Network. (G.O.(Ms) No.303, H&FW(EAPII-2) Dept., Dated:31.8.2017).	584.40	195.40	145.40	925.20
93	Establishment of Clinical Simulation Skill Labs in 7 Medical College Hospitals. (G.O.(Ms) No.90, H&FW(J1) Dept., Dated:20.03.2018).	1085.00	0.00	0.00	1085.00
94	Establishment of Emergency Care Centers in 2 high accident prone areas (PHC and Sub-district hospitals). (G.O.(D) No.472, H&FW(H1) Dept., Dated:23.03.2018). <i>(sanction restricted to 109.32+49.32+49.32=Rs.207.96 lakhs for 3 years)</i>	109.48	49.48	49.48	208.44

95	Equipment for Block Early Intervention Centre (BEIC). (G.O.(Ms) No.98, H&FW(J1) Dept., Dated:23.03.2018).	111.80	3.40	0.00	115.20
96	Machineries and equipment for Reverse Transcription polymerase chain reaction (RTPCR) testing in real time in the 5 Medical College Hospitals. (G.O.(Ms) No.94, H&FW(J1) Dept., Dated:22.03.2018).	218.25	0.00	0.00	218.25
97	Equipments for Cochlear implantation in 5 Medical College Hospitals – GIFT A EAR. (G.O.(Ms) No.72, H&FW(J1) Dept., Dated:06.03.2018).	375.00	0.00	0.00	375.00
98	Strengthening the Hemodialysis units in Primary care institutions. (G.O.(Ms) No.99, H&FW(F1) Dept., Dated:23.03.2018).	900.00	0.00	0.00	900.00
99	Comprehensive Plan for Fever Surveillance, Prevention and Control Measures Epidemic prone infectious diseases and Management in Tiruppur District. (G.O.(Ms) No.100, H&FW(P1) Dept., Dated:23.03.2018).	435.00	0.00	0.00	435.00
100	Creation of cGMP facility for stem cell research and treatment (Clinical Grade Production of Human Adult Stem Cells). (G.O.(Ms) No.73, H&FW(E2) Dept., Dated:07.03.2018).	636.52	0.00	0.00	636.52
101	Clinical Trails- use of Adult Stem cells in patients with end- stage liver disease. (G.O.(Ms) No.73, H&FW(E2) Dept., Dated:07.03.2018).	430.10	0.00	0.00	430.10
	Total	7836.08	349.28	260.88	8446.24
Higher Education Department					
2015-16					
102	Design, Development and Implementation of Unmanned Air Vehicles for Disaster & Societal Applications. (G.O.(2D) No.89 HE, dated:18.12.2015)	972.64	852.64	174.72	2000.00
103	Content and Language Integrated Learning (CLIL) to enhance Communication Skills. (G.O.(1D) No.293 HE, dated 15.12.2015)	17.37	40.44	4.59	62.40
104	Improving the web access to the digitalised records of the Tamil Nadu Archives. (G.O.(1D) No.44 HE, dated:22.02.2016)	30.00	37.00	0.00	67.00
	Total	1020.01	930.08	179.31	2129.40

Highways and Minor Ports Department					
2015-16					
105	Study on performance of Bituminous pavement laid over stabilized subbase. (G.O.(D) No.205 H&MP, dated: 16.10.2015)	263.00	0.00	0.00	263.00
106	Accident study for vulnerable road users. (G.O.(D) No.205 H&MP, dated:16.10.2015)	20.70	0.00	0.00	20.70
2017-18					
107	Bridge Instrumentation for Structural Health Monitoring System in Highways Department. (G.O.(D) No.192, H&MP(HN1) Dept., Dated 7.8.2017).	55.00	5.00	5.00	65.00
108	Study on Improving the CBR value of sub grade soil by adding quarry dust. (G.O.(D) No.193, H&MP(HN1) Dept., Dated 7.8.2017).	5.00	0.00	0.00	5.00
109	Study on the technology of long lasting pavement with aid of circular test track. (G.O.(D) No.194, H&MP(HN1) Dept., Dated 7.8.2017).	195.00	2.00	3.00	200.00
2018-19 (Round I)					
110	Study on effect of Nano clay in Bituminous mixes.	4.00	0.00	0.00	4.00
Total		542.70	7.00	8.00	557.70
Home, Prohibition and Excise Department					
2015-16					
111	Installation of Security Pole for Cell Phone and Ferrous Metal detection system in the prison. (G.O.(Ms) No.985 HP&E, dated:30.12.2015)	159.48	0.00	0.00	159.48
112	Education Vans to Train the Society at their Door Step to handle Fires and Other Emergencies. (G.O (Ms) No.5 HP&E, dated:04.01.2016)	100.00	0.00	0.00	100.00
2016-17					
113	Introduction to Video Synopsis software and post Video Analytical Software. (G.O.(Ms) No.681,Home (Police -IX) Dept. dated:23.09.2016)	63.92	0.00	0.00	63.92
114	Purchase of 13 Digital High Frequency Radio with data modem for the coastal districts. (G.O.(Ms) No.681,Home (Police -IX) Dept. dated:23.09.2016)	76.44	0.00	0.00	76.44
115	Establishment of vehicle Fitness Testing Centres in Tamil Nadu. <i>(withdrawn by the Transport Commissioner)</i>	21.00	0.00	0.00	21.00

116	Establishment of concrete tiles manufacturing unit using copper slag as a substitute of sand at Central prison, Palayamkottai in Tirunelveli District. (G.O.(MS) No.550, Home (Prison -IV) Dept. dated:4.7.2017)	48.00	0.00	0.00	48.00
117	Creation of Mobile Device Forensic Division in Forensic Sciences Department, Chennai. (G.O.(Ms) No.193,Home (Police -X VIII) Dept. dated:10.03.2017)	21.50	2.00	2.00	25.50
118	Purchase of 5 specially designed vehicles for rescue works during inundation. (G.O.(Ms) No.266,Home (Police -X VIII) Dept. dated:30.03.2017) <i>(sanction restricted to Rs.119.00 lakhs)</i>	127.50	0.00	0.00	127.50
119	“mPassport” Police APP. (G.O.(Ms) No.151, Home, Prohibition and Excise Dept. dated:22.02.2017)	273.89	8.84	8.84	291.57
2017-18					
120	Mobile Data Terminal for Highway Patrol vehicles in Cities. (G.O.(Ms) No.627, (Home (Police-XI) Dept., Dated 2.8.2017).	121.30	6.30	6.30	133.90
121	Establishment of Computer Forensic Division. (G.O.(Ms) No.607, (HP&E) Dept., Dated 28.7.2017).	45.00	4.50	4.50	54.00
122	Establishment of paver block manufacturing unit using M/s. TANMAG, Salem waste material at central prison campus, Salem. (G.O.(Ms) No.305, Home (Prison IV) Dept., Dated 07.05.2018).	14.28	0.00	0.00	14.28
123	Installation of Facial Recognition system for Secretariat. (G.O.(Ms) No.222, Home (Pol.9) Dept., Dated 22.3.2018).	85.25	0.00	0.00	85.25
124	Introduction of Electronic Key Management System in Puzhal Prison. (G.O.(Ms) No.306, Home (Prison IV) Dept., Dated 7.5.2018.(sanction restricted to Rs.82.32 lakhs)	86.03	0.00	0.00	86.03
Total		1243.59	21.64	21.64	1286.87

	Housing & Urban Development Department				
	2017-18				
125	Research study on Economic effects of improving sleeping among the urban poor in Tamil Nadu. (G.O.(Ms) No.27, (H&UD(SC1-2) Dept., Dated 28.2.2018. G.O.(Ms) No.42, (H&UD(SC1-2) Dept., Dated 28.3.2018).	258.08	0.00	0.00	258.08
	Total	258.08	0.00	0.00	258.08
	Information and Technology Department				
	2015-16				
126	Development of Tamil Computing and Software. (G.O.(2D).No.26, IT, dated: 15.10.2015 (Rs.150 lakhs) & (G.O.(2D).No.2, IT , dated: 25.02.2016 (Rs.100 lakhs)	250.00	0.00	0.00	250.00
	2017-18				
127	Digitization and Cataloguing of Palm-leaf manuscripts in Dr.U.V. Swaminatha Iyer Library, Directorate of Indian Medicine & Homoeopathy and International Institute of Tamil Studies. (G.O.(Ms) No.11, (IT) Dept., Dated 4.8.2017).	105.00	0.00	0.00	105.00
128	Tamil Text and Speech computing tools. (G.O.(Ms) No.12, (IT) Dept., Dated 4.8.2017).	70.04	0.00	0.00	70.04
129	Providing Free WiFi Services in Public places. (G.O.(D) No.22, (IT) Dept., Dated 16.8.2017).	850.00	0.00	0.00	850.00
130	Sentence Patterns, Structures and Rules in Tamil for Machine Translation. (G.O.(Ms) No.2, IT (Admin2) Dept., Dated 9.3.2018).	72.72	0.00	0.00	72.72
131	Unified Content Management System and Portal Framework for Government of Tamil Nadu. (G.O.(D) No.2, IT (B4) Dept., Dated 5.3.2018).	81.50	0.00	0.00	81.50
	Total	1429.26	0.00	0.00	1429.26
	Labour and Employment Department				
	2015-16				
132	Legal Metrology Complaint Tracking System (LMCTS). (G.O(Ms) No.212 L&E, dated:18.12.2015)	26.30	0.00	0.00	26.30

133	Virtual Class Rooms in Government ITI's in Hill areas. (G.O(2D) No.2 L&E, dated:04.01.2016)	80.00	0.00	0.00	80.00
2016-17					
134	Simulator based welder Training in Government ITI. (G.O.(Ms) No.46, Labour& Employment (S-1) dated:16.03.2017)	258.98	0.00	0.00	258.98
135	Establishment of Virtual Learning System. (G.O.(Ms) No.32, Labour& Employment (R-1) dated:08.03.2017)	100.00	0.00	0.00	100.00
Total		465.28	0.00	0.00	465.28
Law Department					
2015-16					
136	Understanding Your Rights- Law (UYR LAW). (G.O.(Ms).No.359 Law, dated: 28.10.2015) (In the G.O.(Ms).No.549 Law, dated: 30.11.2016) (sanction restricted to Rs.29.80 lakhs for five modules only)	71.52	0.00	0.00	71.52
Total		71.52	0.00	0.00	71.52
Micro, Small and Medium Enterprises Department					
2016-17					
137	Creation of Test facilities for LED lamps and Fitting. (G.O.(Ms) No.15, Micro, Small and Medium Enterprises (G) Dept. dated:15.03.2017)	250.00	285.00	0.00	535.00
138	International Co-operation and Investment Promotion. (G.O.(Ms) No.17, Micro, Small and Medium Enterprises (C) Dept. dated:17.03.2017)	100.00	0.00	0.00	100.00
139	Information communication technology solutions for SIDCO ease of doing business. (G.O.(Ms) No.16, Micro, Small and Medium Enterprises (C) Dept. dated:17.03.2017)	44.00	0.00	0.00	44.00
140	Tamil Nadu Business Incubation Infrastructure Development Projects. (G.O.(Ms) No.19, Micro, Small and Medium Enterprises (A) Dept. dated:17.03.2017)	500.00	750.00	750.00	2000.00

2017-18					
141	Sophisticated testing instrument for testing of Metal and Metallic products for Chemical Testing and Analytical Laboratory, Chennai and Regional Laboratory, Madurai. (G.O. Ms. No.03 MS&ME(E)Dept. Dated: 20.02.2018).	90.00	0.00	0.00	90.00
Total		984.00	1035.00	750.00	2769.00
Municipal Administration and Water Supply Department					
2015-16					
142	Providing cycle track, pedestrians walking Track and landscape garden arrangement at Anna Nagar link road, Race course I & II, Kela south uthira street and mela & north uthira street - Tiruchirapalli Corporation. (G.O.(D).No.85, MAWS, dated: 15.02.2016)	385.00	0.00	0.00	385.00
143	Providing Heritage pathway from Railway junction and Periyar bus stand to Thirumalai Nayakkar Mahal connecting Meenakshi Amman Kovil in Madurai Corporation. (G.O.(D).No.86, MAWS, dated: 15.02.2016)	400.00	0.00	0.00	400.00
144	Solid Waste Management - Generation of Enrich bio gas as an alternative fuel for the vehicles in Thoothukudi Corporation. (G.O.(D).No.87, MAWS, dated: 15.02.2016)	134.00	0.00	0.00	134.00
145	Pilot project on conjunctive use of ground and surface water along rain water harvesting to ensure 24x7 drinking water supply in Lagampalayam Gram Panchayat of Nambiyur in Erode District. (G.O.(Ms).No.181, MAWS, dated: 17.12.2015)	45.00	54.00	0.00	99.00
146	Study on linkages between sanitation and ground water quality in Namakkal District. (G.O.(D).No.88, MAWS, dated: 15.02.2016)	30.00	0.00	0.00	30.00
Total		994.00	54.00	0.00	1048.00
Planning, Development and Spl. Initiatives Dept.					
2015-16					
147	Electronic mode of data collection at the field. (G.O.(Ms)No.7 PD&SI, dated:19.01.2016)	7.88	0.00	0.00	7.88
148	Panel Survey on Socio Economic Status on Elderly Population in Tamil Nadu. (G.O(Ms) No.21 PD&SI, dated: 27.02.2016)	90.00	254.01	261.99	606.00

149	Operationalising the first phase activities of the Data Analytical unit. (G.O (Ms) No.20 PD&SI,dated:26.02.2016)	63.00	365.66	0.00	428.66
150	Tamil Nadu Household Panel Survey. (G.O(Ms) No.19 PD&SI, dated:26.02.2016)	10.00	250.00	130.00	390.00
2016-17					
151	Digitization and Retrieval Systems for historical data/ reports/publications. (G.O.(Ms) No.88, PD & SI(ST 2&E) Dept. Dt. 14.11.2016)	15.70	0.80	0.00	16.50
152	Dynamic Data Visualisation and interactive systems. (G.O.(Ms) No.89, PD & SI(ST 2&E) Dept. Dt. 14.11.2016)	43.00	4.50	0.00	47.50
153	Formation of Analytical and Publication Unit. (G.O.(Ms) No.90, PD & SI(ST 2&E) Dept. Dt. 14.11.2016)	22.10	6.20	0.00	28.30
154	Strengthening the existing Library (G.O.(Ms) No.91, PD & SI(ST 2&E) Dept. Dt. 14.11.2016)	3.00	0.00	0.00	3.00
155	Capacity building and skill development in Advanced Statistical packages (G.O.(Ms) No.92, PD & SI (ST 2&E) Dept. Dt. 14.11.2016)	55.06	9.23	9.23	73.52
156	e- Evaluation System. (G.O.(Ms) No.79, PD & SI(ST 2&E) Dept. Dt. 26.09.2016).	41.00	10.80	10.66	62.46
2018-19 (Round I)					
157	E-Evaluation System- Upgradation	8.50	0.00	0.00	8.50
Total		359.24	901.20	411.88	1672.32
Personnel and Administrative Reforms Department					
2016-17					
158	Office Automation of Directorate of Vigilance and Anti-Corruption Headquarters and Detachments. (G.O.(2D) No.27, P&AR (N) Dept. dated:20.10.2016) (sanction restricted to Rs.70.80 lakhs)	71.03	0.00	0.00	71.03
159	Introduction of On line filing of appeals to the State Information Commission. (G.O.(D) NO.174, P&AR (AR-III) Dept. Dt. 18.10.2016). (sanction restricted to Rs.29.34 lakhs)	30.64	0.00	0.00	30.64
Total		101.67	0.00	0.00	101.67

Public Department					
2017-18					
160	Provision of Intelligent Door Lock System integrated with Hospitality management System (G.O. Ms. No.130 P(GI.II)Dept. Dated: 13.02.2018).	29.10	0.00	0.00	29.10
161	Provision of Air plus Coating Solution for Air Pollution Control. (G.O. Ms. No.130 P(GI.II)Dept. Dated: 13.02.2018).	26.00	0.00	0.00	26.00
162	Installation of 4kWp Grid Tied PV Solar Power Plant and Networking of Desktop Computers (LAN) (G.O. Ms. No.219 Pub.(Ex-Servicemen)Dept. Dated: 28.03.2018. (sanction restricted to Rs.1.94 lakhs)	4.00	0.00	0.00	4.00
2018-19 (Round I)					
163	Provision of Hospitality Klosks at Vaigai Tamil Nadu Illam and Podhigai Tamil Nadu Illam.	9.00	0.00	0.00	9.00
164	Fleet Management System with Tracking & Navigation facility	21.00	0.00	0.00	21.00
165	Modernization of Kitchen with modern Kitchen Equipment at Vaigai Tamil Nadu Illam.	60.60	0.00	0.00	60.60
166	Recreation facilities for Children and Guests at Vaigai Tamil Nadu Illam and Podhigai Tamil Nadu Illam Campus.	22.50	0.00	0.00	22.50
Total		172.20	0.00	0.00	172.20
Revenue Department					
2015-16					
167	Solar Roof Top SPV Plant (7 KW) at RDO Offices at Coonoor&Gudalur and Taluk Offices at Pandaloor&Kothagiri. (G.O(Ms) No.46 Revenue, dated:29.01.2016)	28.00	0.00	0.00	28.00
168	Solar Roof Top SPV Plant at the Collectorate Building of Tuticorin. (G.O(Ms) No.47 Revenue, dated:29.01.2016)	90.00	0.00	0.00	90.00

	2016-17				
169	Modernisation of Photo Zinco Press (G.O.(Ms) No.288, Revenue (SS-II(2) Dept. Dated: 24.11.2016).	100.00	0.00	0.00	100.00
	2017-18				
170	Unmanned Aerial Vehicle Photogrammetric Mapping for Flood Preparedness in Tamil Nadu. (G.O.(Ms) No.247, (Revenue) Dept., Dated 3.8.2017).	246.60	199.28	255.72	701.60
171	Computerization of Land Acquisition Process. (G.O.(Ms)No.272, Revenue(LA-I(1), Dated:29.8.2017).	98.00	0.00	15.00	113.00
	Total	562.60	199.28	270.72	1032.60
	Rural Development & Panchayat Raj Department				
	2015-16				
172	Introducing specialised designed Electronic Voting Machines in the conduct of Elections to Rural Local Bodies. (G.O(Ms) No.154, RD &PR, dated:07.12.2015).	40.29	0.00	0.00	40.29
173	Establishment of Mobile Testing quality control Laboratories in five regional centres at Nagapatinam, Madurai, Tirunelveli, Erode and Thiruvallur (G.O (Ms) No.93, RD&PR, dated:08.12.2015)	235.00	0.00	0.00	235.00
	Total	275.29	0.00	0.00	275.29
	School Education Department				
	2015-16				
174	Enhancing the quality of Vocational Education Stream in Higher Secondary schools (G.O(1D) No.10 SE, dated:11.01.2016)	23.25	0.00	0.00	23.25
175	Construction of Bio-digest toilets in schools for creation of Eco friendly Green Schools (G.O(1D) No.15 SE, dated:12.01.2016) & (G.O(1D) No.56, SE. dated:11.02.2016)	21.78	0.00	0.00	21.78
176	Tamil Nadu Excels (TANEX). (G.O(1D) No.11 SE, dated:12.01.2016) & (G.O(1D) No.57 SE, dated:11.02.2016)	118.92	0.00	0.00	118.92

	2016-17				
177	Early intervention centres for Children with Special Needs (CWSN). (G.O.(1D) No.414, School Education (SSA 2) Dept. Dt. 28.10.2016)	578.85	0.00	0.00	578.85
178	Setting up of Satellite Interactive Terminals for EDUSAT. (G.O.(1D) No.416, School Education (SSA 2) Dept. Dt. 31.10.2016).	338.40	29.61	29.61	397.62
179	Installation of Electrical Incinerators in all 518 Girls' Government High and Higher Secondary Schools. (G.O.(1D) No.412, School Education (SSA1) Dept. dated:28.10.2016)	46.60	0.00	0.00	46.60
180	Construction of Bio-Digest Toilet in Model schools in 13 Districts. (26 Model schools) (G.O.(1D) No.418, School Education (SSA 1) Dept. Dt. 01.11.2016)	33.28	2.08	2.08	37.44
181	Transformation of Toilet into Child friendly. (G.O.(1D) No.468, School Education (EE 3(1)) Dept. Dt. 30.12.2016 & G.O.(1D) No.202, School Education (EE 3(1)) Dept. Dt. 24.03.2017)	59.00	56.00	56.00	171.00
182	Strengthening of value education by establishing story corner in Primary Schools. (G.O.(1D) No.18, School Education Dept. Dated: 10.01.2017&G.O.(1D) No.203, School Education (EE 3(1)) Dept. Dt. 24.03.2017)	121.75	0.00	0.00	121.75
183	Provision to enhance "Project Based Learning". (G.O.(1D) No.453, School Education Dept. Dt. 01.12.2016)	34.00	48.00	72.00	154.00
184	Setting up of smart class using all in one ICT Technology in select schools. (G.O.(Ms) No.186, School Education (SE 2(2)) Dept. Dt. 24.10.2016) (sanction restricted to Rs.64.00 lakhs)	64.00	0.00	0.06	64.06
185	Upgradation of Model Adult Education Centres (MAEC) in Krishnagiri & Tiruppur Districts. (G.O.(Ms) No.213, School Education (PI 2) Dept. Dt. 22.11.2016)	25.00	0.00	0.00	25.00
186	Enhancing Learning through Image Recognition Application (IRA) Technology. (G.O.(Ms.) No.181, School Education (ERT) Dept. Dtd.14.10.2016)	315.00	70.50	68.10	453.60

187	Orientation of Teachers handling Virtual Classrooms. (G.O.(Ms) No.63, School Education (ERT) Dept. Dt. 31.03.2017)	21.82	0.00	0.00	21.82
188	Phonetics Training in Communication English. (G.O.(Ms) No.63, School Education (ERT) Dept. Dt. 31.03.2017)	88.20	0.00	0.00	88.20
189	Training of Teachers on the use of Free and Open Source Software (FOSS). (G.O.(Ms) No.63, School Education (ERT) Dept. Dt. 31.03.2017)	36.21	0.00	0.00	36.21
2017-18					
190	Development of CCE Worksheets/Modules to improve reading, writing and comprehension skills in School Education. (G.O.(Ms) No.200, (SE) Dept., Dated 5.9.2017).	48.06	0.00	0.00	48.06
191	Production of accessible reading content for persons with print disabilities in Anna Centenary Library. (G.O.(Ms) No.57, (SE-PL1) Dept., Dated 26.3.2018).	60.00	0.00	0.00	60.00
192	Union Catalogue for Public Libraries in Tamil Nadu. (G.O.(Ms) No.57, (SE-PL1) Dept., Dated 26.3.2018).	59.00	0.00	0.00	59.00
193	Formation of smart class room in selected schools in two Districts Cuddalore and Thoothukudi. (G.O.awaited)	1168.10	22.90	22.90	1213.90
	Total	3261.22	229.09	250.75	3741.06
Social Welfare and Nutritious Meal Programme Department					
2015-16					
194	Improving school preparedness and child health outcome through Integrated Child Development Services Scheme. (G.O.(Ms) No.22 PD&SI, dated: 27.02.2016) (G.O. Ms. No.27 (SW-7(2) Dept. Dated:14.10.2016).	191.32	430.45	334.8	956.57

2016-17					
195	ISO Certification, Grading and Accreditation of 128 Anganwadi Centres. (G.O.(Ms) No.24,Social Welfare and Nutritious Meal Programme (SW-7(2)) Dept. Dt. 24.03.2017)	32.80	0.00	0.00	32.80
196	Strengthening of Anganwadi centres as Vibrant Early Child Development Centres on Pilot basis across 700 Anganwadi centres in 4 District. <i>(This project components has been merged with sl.no.194 sanctioned in 2015-16)</i>	184.11	184.11	165.55	533.77
2017-18					
197	Creation of Community Help Desk and Development of Multi Dimensional Communication Tools. (G.O.(Ms) No.61, (SW&NMP) Dept., Dated 31.8.2017) <i>(sanction restricted to Rs.99.25 lakhs)</i>	100.00	0.00	0.00	100.00
198	Administration of Pneumonia vaccine to elderly persons in Senior Citizens Homes and Integrated Complexes run by NGOs with State and Central Grants. (G.O. Ms. No.27 (SW&NM (SW6(1)) Dept. Dated:26.03.2018).	165.32	0.00	0.00	165.32
199	Introduction of Fortified Rice in PTMGRNMP and ICDS in 10 districts on pilot basis. <i>(The scheme was sanctioned in 2017-18 (Round –II), however due to cost variation the recommended scheme withdrawn by the Department and resubmitted in 2018-19 (Round-1) for sanction for Rs.529.25 lakhs & Recommended by SPC as shown in sl.no.202)</i>	529.25	77.74	0.00	606.99
200	Creation of Community Help Desk and Development of Multi-Dimensional communication Tools. G.O. Ms. No.30 (SW&NMP(SW-3)) Dept. Dated:28.03.2018).	94.75	0.00	0.00	94.75
2018-19 (Round I)					
201	Online Tab based socio economic screening in field for flagship schemes	252.37	0.00	0.00	252.37
202	Introduction of Iron Fortified Rice in Puratchi Thalaivar M.G.R. Nutrition Meal Programme and ICDS in the State of Tamil Nadu.	341.83	187.42	0.00	529.25
Total		1891.75	879.72	500.35	3271.82

Tourism, Culture and Religious Endowments Department					
2015-16					
203	Digitalisation and e-Publication. (G.O.(Ms).No.29 TC&RE, Dated:22.01.2016)	5.00	0.00	0.00	5.00
204	Publication of Epigraphy book. (G.O.(Ms).No.30 TC&RE, Dated: 22.01.2016)	11.50	0.00	0.00	11.50
2016-17					
205	Publication of Epigraphy books titles Tamil Nadu inscription Volume - IX, X, XI & XII (G.O.(Ms) No.240, Tourism, Culture and Religious Endowments (MA-2) Dept. Dt. 20.09.2016)	10.00	0.00	0.00	10.00
206	Preserving Heritage Buildings, Light & Sound show in Dhanushkodi <i>(Withdrawn the scheme vide Letter No. 15227/T3/2015-12, Dated: 9.2.2017 from the Principal Secretary to Government , Tourism Dept.)</i>	112.60	17.98	19.48	150.06
2017-18					
207	Publication of Epigraphy book titled Tamil Nadu Inscriptions Vol-XIII and ten students monographs. (G.O.(Ms).No.21, Tourism, Culture and Religious Endowments (MA-2) Dept. dated: 13.02.2018)	12.00	0.00	0.00	12.00
208	Making a VR 3D Virtual Museum selected 100 antiques which were collected from explorations and excavations carried out the Department of Archaeology on the two year basis (pilot project) (G.O.(Ms).No.21, Tourism, Culture and Religious Endowments (MA-2) Dept. dated: 13.02.2018)	8.25	11.75	0.00	20.00
209	Installation of floor projection mapping as a first step in the Archaeological site museum Rajarajan Site Museum, Thanjavur District as an innovative initiative to increase the footfall and to entertain and educate the children and general public. (G.O.(Ms).No.21, Tourism, Culture and Religious Endowments (MA-2) Dept. dated: 13.02.2018)	15.00	0.00	0.00	15.00

2018-19 (Round I)					
210	Installation of Floor Projection Mapping in the Children's Museum, Government Museum, Chennai as an innovative to increase the footfall and to educate the children and general public	10.00	0.00	0.00	10.00
211	Establishment of Social Media Engagement, Content, Development and Creation of Videos, Branding of Museums and Celebrity Marketing	10.00	0.00	0.00	10.00
212	Making a VR 3D Virtual Museum with select 50 unique antiquities of Numismatics which has been housed in the Government Museum, Chennai	10.00	0.00	0.00	10.00
213	Making interactive Touch Screen Presentation to engage the visitors in the Numismatics, Philately and Bronze icons Galleries of the Government Museum, Chennai	10.00	0.00	0.00	10.00
214	Making interactive Touch Screen presentation to engage the visitors in the Pre History, Geology, Civilization and Science and Technology Galleries of the Government Museum, Chennai	10.00	0.00	0.00	10.00
215	Making a VR 3D Virtual Museum with select 50 unique antiquities of Anthropology which has been housed in the Government Museum, Chennai	10.00	0.00	0.00	10.00
Total		234.35	29.73	19.48	283.56
Welfare of Differently Abled Persons					
2016-17					
216	New born screening Programme for hearing loss in babies at Chennai and Sivagangai Districts. (G.O.(Ms) No.28, Welfare of Differently Abled Persons (DAP 2.1) Dt. 23.09.2016)	330.78	52.82	52.82	436.42
217	Augmentative and Alternative Communication system for persons affected by Cerebral Palsy (AAVAAZ) (G.O.(Ms) No.38, Welfare of Differently Abled Persons (MTN 2.1) Dt. 01.12.2016) (sanction increased by Rs.6.37 lakhs)	100.09	0.00	0.00	100.09
2017-18					
218	Mobility Assistance Appliance for persons affected by Muscular Dystrophy (G.O.(1D) No.75, WDAP Dept. Dated:9.11.2017)	650.00	0.00	0.00	650.00

219	Training Aids for Psychomotor Coordination to Home for the Adult with Mental Retardation (G.O.(1D) No.63, Welfare of Differently Abled Persons Dept., Dated: 7.09.2017)	13.00	0.00	0.00	13.00
220	Process Innovation in terms of provision of access to information and communication to persons with visual impairment. (G.O.(1D) No.55, Welfare of Differently Abled Persons (DAP2.1) Dept. Dated: 4.8.2017).	6.30	0.00	0.00	6.30
221	Early intervention Services to children with disabilities through Community Based Approach and Home Based Approach with use of TABLET. (G.O. (1D) No.2, WDAP Dept. Dated:5.1.2018)	5.10	3.69	3.69	12.48
222	Evaluation and Intervention of Special Children coming under the purview of Welfare of Differently Abled Persons (G.O.(1D) No.58, Welfare of Differently Abled Persons Dept. Dated: 8.8.2017)	11.00	0.00	0.00	11.00
2018-19 (Round I)					
223	Providing Electric Scooters for the Differently Abled Persons	3.70	0.00	0.00	3.70
224	Development and operation of a dedicated web portal for streamlining philanthropy, employment generation and grievance redressal for the differently abled persons.	16.29	8.69	0.00	24.98
Total		1136.26	65.20	56.51	1257.97
Youth Welfare and Sports Development Department					
2015-16					
225	Establishing High Altitude Training Centre with World Class facilities at Ooty. (G.O(Ms) No.66, YW&S, Dated:18.12.2015)	500.00	0.00	0.00	500.00
226	Tamil Nadu State Weight Lifting Centre of Excellence at Sathuvachari, Vellore. (G.O (Ms).No.67, YW&S, Dated:18.12.2015)	245.00	0.00	0.00	245.00
227	Integrated Sports Science Centre at Madurai (G.O(Ms) No.68, YW&S, Dated: 18.12.2015)	500.00	0.00	0.00	500.00
228	Introducing simulator training to cadets to enhance their quality of training for handling of aircraft,vehicle and weapon. (G.O(1D) No.54, YW&S,Dated:26.11.2015)	85.00	0.00	0.00	85.00

229	Establishing Language Laboratory for improving English speaking skills of the National Cadet Corps from rural areas (G.O.(Ms)No.54, YW&S,Dated:26.11.2015)	15.00	0.00	0.00	15.00
2016-17					
230	SDAT sailing Academy, Centre of Excellence in sailing and rowing at Chennai. (G.O.(Ms) No.36, Youth Welfare and Sports Development (S2) Dept. Dated: 08.10.2016)	700.00	0.00	0.00	700.00
231	Establishing e-Library Centre in the Tamil Nadu Physical Education and Sports University Campus. (G.O.(Ms) No.35, Youth Welfare and Sports Development (YW2) Dept. Dated: 22.09.2016)	96.50	71.25	83.25	251.00
232	Artificial Rock Climbing set up at NCC Training Academy, Idayapatti. (G.O.(Ms) No.34, Youth Welfare and Sports Development (YN1) Dept. Dated: 22.09.2016)	30.00	0.00	0.00	30.00
2017-18					
233	Rowing Simulators for NCC Cadets Training. (G.O.(Ms) No.20, Youth Welfare and Sports Development (YW1) Dept. Dated: 17.05.2017).	30.00	0.00	0.00	30.00
234	Centre of Excellence in Sports Biomechanics. (G.O.(Ms) No.35, Youth Welfare and Sports Development (YNR) Dept., Dated: 31.07.2017).	1000.00	312.20	0.00	1312.20
2018-19 (Round I)					
235	Establishment for Portable Bio Toilets for use of NCC Cadets during camps.	20.00	0.00	0.00	20.00
236	Mobile based Tournament Operating System	16.00	13.00	4.00	33.00
237	Pedagogy Laboratory for Teaching, Testing and Training in Physical Education	19.40	1.25	1.40	22.05
238	Traditional Kalari and Silambam Training Centre	131.50	14.00	14.50	160.00
Total		3388.40	411.70	103.15	3903.25
Grand Total		38038.99	7891.69	3826.40	49757.08

Note: Second and Third year sanctions are awaited for the schemes for which sanction has not been accorded so far.

Sanction for schemes recommended in 2018-19 (Round I) are awaited.

Chapter IV: Details of Schemes recommended under TANII

Adi Dravidar and Tribal Welfare Department

1) Establishment of Hostel Management System at one college hostel in each district

Objective of the Scheme:

The proposal is a Comprehensive Management scheme with a combination of biometric attendance, CCTV, Broad band connectivity to State Data and Comprehensive capacity building programme to provide effective monitoring of Hostel Services and facilitate added security to the students (CCTV component alone was sanctioned).

Implementing Department: Directorate of Adi-Dravidar Welfare

Recommended & Sanctioned Outlay: Recommended: Rs.35.00 lakh; Sanctioned: Rs.35.00 lakh

Outcome:

- Proper monitoring of student and staff attendance in hostels.
- Malpractice in inventory utilization can be avoided/ reduced. Any kind of malpractice performed by both the students and the staff can be monitored by CCTV surveillance of the Hostels by administrative officials.
- Improves quality of service in hostels.

Agriculture Department

2) Ultra High Density planting for Mango, Guava and Moringa, modern method of fruit cultivation using dwarf tree with modified canopy

Objectives of the Scheme:

- To establish an Ultra High Density Mango, Guava and Moringa demonstration plots and conduct research to increase the production and productivity of fruit crops
- To ensure sustainability of agriculture for small and marginal farmers through innovative planting, management and post-harvest technological interventions.

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay /Sanctioned outlay (Rs. in lakhs) : 167.00 / 157.00

Outcome :

- Ultra-high density plantation (UHDP) is an innovative and proven technology, commonly practiced for mango cultivation worldwide and combined with other sustainable agricultural techniques, has the potential to enhance the yield in a larger percentage than that of the traditional method.
- Expansion of this technology to other amenable hi value horticulture crops like Guava and Moringa by utilizing all the resources optimally.
- Increase in the production per unit area besides, enhancing the profit margin of horticultural farmers of the State.

3) Study on Rhizotron based plant –microbe- soil interaction for yield sustainability.

Objectives of the Scheme:

To create Rhizotron facility at TNAU, assess the interaction among the plant root – soil – microbiome of crop plants and to assess the metabolites of roots.

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay and Sanctioned outlay (Rs. in lakhs) :Rs.900.00 lakhs / Rs.900.00 lakhs

Outcome :

- The Rhizotron facility has been created at TNAU and it is first of its kind in India through a non-destructive monitoring mechanism of plant roots with usage highly sophisticated State-of-the-art instruments, which allow assessing the plant-soil-microbe interactions with precise and high-quality research for increasing the productivity of crops in Tamil Nadu.
- Establishment of Rhizotron paves way for understanding root morphology of crop plants at different stress including moisture, facilitating to develop breeding strategies for sustenance of the State's crop productivity.

4) Farm pond allied integrated enterprises for sustainable livelihood - pilot project

Objectives of the Scheme:

To promote farm pond allied diversification enterprises as a business for sustainable livelihood small and marginal farmers.

Implementing Department: Directorate of Agriculture.

Recommended outlay and Sanctioned outlay (Rs. in lakhs):Rs.15.00 lakhs/ Rs.15.00 lakhs

Outcome :

- *Maximum utilization of land around the farm pond.*
- *Diversification of farm enterprises increased farm income.*
- *Generation of employment and income throughout the year.*
- *Empowerment of farmers.*

5) Bio-enrichment of soil by intercropping Green Manure Crops in Rice Agro-ecosystem.

Objectives of the Scheme:

- *Improve the organic content of the soil.*
- *Increase the fertilizer use efficiency.*
- *Increase the productivity of rice.*
- *Motivate the farmers to adopt eco-friendly crop cultivation measure.*
- *Reduce weed infestation and cost of cultivation.*

Implementing Department: Directorate of Agriculture.

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : Rs. 30.00 lakhs / Rs.30.00 lakhs

Outcome :

- *Conservation of all resources especially water.*
- *Increases the organic content of the soil.*
- *Increases the income of farm and the farmers.*

6) Promotion of organic farming through intensification of Bio-pesticide production.

Objectives of the Scheme:

- *Promote eco-friendly sustainable agricultural practices for control of pests and diseases by creating awareness among the farmers.*

Implementing Department: Directorate of Agriculture.

Recommended outlay and Sanctioned outlay (Rs. in lakhs) :Rs.44.15 lakhs/ Rs.44.15 lakhs

Outcome :

- *Awareness on usage of NPV and other bio control agents among the farmers.*
- *Increase in coverage under bio control management practices.*

- Reduction of toxins in the soil.
- Reduction in cost of cultivation.
- Production of toxin free foodgrains.

7) On-farm soil fertility enrichment in sugarcane fields using Bio-mineralizer

Objectives of the Scheme:

- Prevent *in-situ* burning of waste.
- Reduce, recycle and reuse the crop residues by producing bio-compost using bio-mineralizer.

Implementing Department: Directorate of Agriculture.

Recommended outlay and Sanctioned outlay (Rs. in lakhs) :Rs.50.00 lakhs / Rs.50.00 lakhs

Outcome :

- Improve soil fertility.
- Sustained increase in yield and quality produce.
- Reduction in cost of cultivation.
- Increase in returns to the farmers.

8) Installation of Model Grid Tie Solar PV Power Plant without battery for a capacity of 32 KWp at O/o. Chief Engineer, Agricultural Engineering Department in Chennai.

Objectives of the Scheme:

- To promote usage of solar energy & its technology and to save conventional electrical energy, implementation of solar power plant in government owned buildings. It would become live model for public to adopt the technology in an effective manner to combat the energy crisis.

Implementing Department: Agricultural Engineering Department

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 24.80 / 24.80

Outcome:

- 40% savings in electricity consumption from TANGEDCO in terms of utilization of solar energy.
- 50% savings in electricity charges by the Department resulting in savings of Rs. 3.86 lakhs per year.
- Earning of Carbon Credit.

9) **Integrated Seed Production Hub for Southern Districts of Tamil Nadu at Agricultural College and Research Institute, Killikulam..**

Objectives of the Scheme:

- To establish an Integrated Seed Production Hub for Southern District of Tamil Nadu at the Agricultural College and Research Institute, Killikulam for production and supply of good quality seed material both physical and genetic purity to the farmers.

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 500.00 / 500.00

Outcome:

- Production and Distribution of major food crops of the region viz; rice, millets, small millets, pulses and oilseeds suitable for the southern districts of Tamil Nadu.
- Production and Distribution of labeled seeds of major vegetables and fruit crops viz; chilli, gourds, brinjal, bhendi, tomato and to produce good quality seedling material of fruit seedlings of promising varieties in the Southern districts of Tamil Nadu.

10) **Large Area Impact Demonstration of Fruit Flies Trapping Technology to minimise Yield Losses to Horticultural Farmers in Tamil Nadu.**

Objectives of the Scheme:

- To reduce/avoid chemical insecticide use in mango by deploying para-pheromone molecules to trap the fruit flies instead of spraying.
- Compare the trap deployment benefits between seasonal trapping and year round trapping to reduce fruit fly population build up and infestation of fruits.
- To clarify the inter species biodiversity in the species complex of fruit fly on 3 target crops – mango, guava and cucurbits.

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 245.15 / 245.10

Outcome:

- Undertaking operational research and farmer participatory technology benefit validation by working with model groups of growers.
- Adoption of consumer-safe commodity for protecting export of focus crops from pest-fruit fly by empowering them with fruit tapping technology.
- The project is implemented in 2000 hectares in Dharmapuri and Krishnagiri districts.

11) Promotion, Commercialization, Post-Harvest Processing and Industrial Application of Annatto as a Source of Natural Dye and establishing Natural Dye Park.

Objectives of the Scheme:

- To promote the cultivation of Annatto for commercial application in the State.
- To develop package of practices for the other identified dye yield plant and establish field gene banks and natural dye parks.

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 224.00 / 224.00

Outcome:

- Large scale production of non-toxic eco-friendly dye and colouring agents from Annatto.
- Establishing model bixa dye parks.

12) Revitalization of Millets for Nutritional Security and Enhanced Productivity

Objectives of the Scheme:

- Establishment of Cluster approach in millet promotion through convergence of different stakeholder departments.
- Provision of good quality seeds and enhanced productivity through effective management practices in increasing the millet production and also the farm income.
- Standardisation of processing technology of Millet.

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 187.80 / 187.80

Outcome:

- Creating millet hubs in six districts viz., Dharmapuri, Krishnagiri, Madurai, Thiruvannamalai, Vellore and Virudhunagar districts where seed production, commercial cultivation and value addition of millet crops will be taken up.
- Enhancing the productivity of millets, popularize high yielding and short duration varieties of millets

13) Implementation of Smart Water saving Techniques in Rice cultivation

Objectives of the Scheme:

- Increase the yield of crop by saving the irrigation cost.
- Conserving ground water.
- Reducing the cost of fuel and power to pump water.

Implementing Department: Directorate of Agriculture.

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 157.85 / 157.85

Outcome:

- *Conserving 30% of water compared to continuous submergence without affecting the yield in adoption of AWD water saving technique.*
- *Increase in yield.*

14) Mitigating Occupational drudgery of farm women through ergonomic interventions

Objectives of the Scheme:

- *To address the issues of occupational disease and low levels of productivity due to use of equipments / tools that are non-women friendly designed.*

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 177.00 / 177.00

Outcome:

- *Ensures development of women friendly agricultural implements and reduction in drudgeries of farm occupation.*

15) Establishment of Integrated organic silvo pasture models suitable for Alfisol Tracts of Tamil Nadu

Objectives of the Scheme:

- *To promote perennial fodder from trees with suitable intermixing of annual fodder, which will address the issues pertaining to fodder production in the State.*

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 197.50 / 197.50

Outcome :

- *Establishment of a model organic Silvopastoral farm which will act as a resource base to develop similar silvopastoral models in different parts of the State.*
- *Supplement the fodder production in lean season with limited irrigation support.*

16) Establishment of Infrastructure to Develop Nutritionally Enhanced Premium Quality and Stress Resilient Rice Varieties.

Objectives of the Scheme:

- *Identification and development of nutritionally rich rice genotypes with high protein dietary fibres, zinc and iron from the generated breeding population and land races.*
- *Development of climate – resilient super fine rice varieties with improved resistance to major pests and diseases.*

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 256.00 / 256.00

Outcome :

- Nutritional security and dietary requirements of the consumers will be ensured.
- Significant reduction in cost of cultivation of rice as the new varieties might need less plant protection chemicals.

17) Production and supply of quality grafted vegetable seedlings of Major Vegetable Crops

Objectives of the Scheme:

- Establishment of the nursery unit and will be a model nursery unit for the State to produce and supply the seedlings of high yielding varieties and hybrids viz., grafted brinjal, grafted watermelon, grafted musk melon, grafted cucumber, grafted bitter gourd, grafted tomato besides chilli, cabbage and cauliflower.
- To produce and supply quality planting materials in vegetable crops to vegetable growing farmers of Tamil Nadu for more than 1,000 ha per year.

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 277.75 / 277.75

Outcome :

- Increase in the production of vegetables and income of the vegetable growers in the State.

18) Organic inputs and bio-inputs characterization for sustainable organic agriculture

Objectives of the Scheme:

- Evaluate the existing organic input, bio-inoculants and organic pesticides of the state and at the national level.
- Promote organic farming technologies for sustainable agriculture and certification.

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 132.00 / 132.00

Outcome:

- *Availability of scientifically valued organic inputs will be ensured for the stakeholders.*

19) Ensuring Supply of Uniform and Quality Planting Material in Coconut through micro propagation

Objectives of the Scheme:

- Establish a state-of-the-art infrastructure for *in-vitro* multiplication and mass production of quality coconut seedlings.
- To develop a reliable reproducible and cost effective protocol for rapid multiplication of true to type coconut seedlings through tissue culture /micro propagation.

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 663.00 / 663.00

Outcome :

- Mass multiplication of elite coconut genotypes.
- Reducing the gap between demand for coconut seedling and its supply.

20) Skill Development and Employment Generation in Palmyrah based ventures for Rural Youth

Objectives of the Scheme:

- To impart skill development training and entrepreneurial education to rural youth in value addition of palmyrah.

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 136.50 /136.50

Outcome :

- Establishment of the pilot plant for production and processing the palmyrah which impart training to the rural youth for production of edible *palmyrah* products in Thoothukudi, Tirunelveli, Virudunagar, Ramanathapuram, Sivaganga and Pudukottai Districts.
- Establishment of shade net house for production of quality *palmyrah* seedlings.
- Development of palmyrah based ventures like: seedling production, production of edible products viz., bottling of neerah, spray dried neerah powder, palm honey, palm crystals, dehydrated nungu powder and its value added products, palm tuber products and its value added products, palmyrah fruit processing like preparation of squash, jam, jelly, candy etc. besides production of non-edible products like fibre extraction and preparation of handicrafts.

21) Optimising farm mechanization practices for different soil types and crops of Madurai District

Objectives of the Scheme:

- Development of feasible soil based farm mechanization strategies for small and medium farmers for timely field operation and reducing the labour dependency in Madurai district.
- To upscale the developed feasible farm mechanization strategies for increasing the farm productivity, area and livelihood of the farmers.

Implementing Department: Tamil Nadu Agricultural University, Coimbatore

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 166.00 / 166.00

Outcome :

- Reduction in dependency of labour cost of cultivation bringing cultivable wastes back into cultivation increasing overall food production.

Animal Husbandry, Dairying and Fisheries Department

22) Establishment of Aquatic Rainbow Technology Park

Objectives of the Scheme:

- To design and develop heterotrophic microbial based running water raceway systems with cost effective components.
- To domesticate and demonstrate the nursery protocol for culturing of ornamental fishes
- To inculcate knowledge of innovative culture systems and culture protocols for the farmers and entrepreneurs through on-farm demonstrations.
- To encourage farmers to undertake such hi-tech based farming trails in the aquatic rainbow technology park (ARTP) campus by extending common facilities like water treatment, aeration, technical consultation etc. at affordable cost.

Implementing Department: Tamilnadu Dr.J. Jayalalithaa Fisheries University, Nagapattinam

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 1030.50 / 1030.50

Outcome :

The project will accelerate the development of the ornamental fish sector of the state.

- All the ornamental fish varieties, related products and accessories will be made available under one roof.
- An Agricultural allied Rural Entrepreneurship would emerge in the state
- Creation of new export avenues for the local produces.

23) Establishment of Bio-Safety Level-III (BSL-III) Laboratory

Objectives of the Scheme:

- Facility will provide inspiration for the Researchers to achieve innovative excellence and develop novel new generation vaccines with better safety and potency to combat ever changing disease patterns and pathogen evaluation.
- To develop innovative therapeutic intervention strategies in animal health.
- To support innovations in biomedical research
- To promote partnership between academia and industry resulting in effective translation of research leads in commercialisable products.

Implementing Department: Tamil Nadu Veterinary and Animal Sciences University

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 1275.00 / 1275.00

Outcome :

- The facility will be useful in identifying the infectious agent rapidly and initiate control and preventive measures to prevent an outbreak situation.

- Development and evaluation of new vaccines and diagnostics methods.
- Enhancement of emergency preparedness of the state in animal health.

24) Establishment of Ethno veterinary herbal products research and development centre at Thanjavur

Objectives of the Scheme:

- To establish model ex-situ conservation of Ethno Veterinary Medicinal Plant Resources and Herbal Garden.
- To collect, document, decipher and publish Ethno Veterinary practices from palm – leaf scripts.
- To establish Bio-informatics for reverse pharmacology studies of Ethno Veterinary Herbal preparation.
- To establish Herbarium Voucher specimen unit for Ethno Veterinary plants.

Implementing Department: Tamil Nadu Veterinary and Animal Sciences University.

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 1372.95 / 1372.95

Outcome :

- The clinically effective Herbal formation will provide first line of intervention to farmers at the farm level.
- Over dependence and Veterinary drugs can be minimized by Ethno Veterinary practices.
- The issues of Veterinary drug residues in milk, meat and eggs and antimicrobial resistance can be addressed in the long run through Ethno Veterinary Herbal products.

25) Establishment of Fodder production farm in Meikkal poramboke land in Madurai district

Objectives of the Scheme:

- To establish green fodder production farm in Meikkal poramboke land.
- To increase the vegetative bio mass for feeding animals with good quality fodder using the wastelands and marginally poor fertile lands.

Implementing Department: Tamil Nadu Veterinary and Animal Sciences University.

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 100.00 / G.O yet to be issued. (The SPC recommended outlay only for the fencing works)

Outcome :

- *Better utilization of Meikkal poramboke land for fodder production to mitigate fodder deficiency.*

26) E-Fish Health Surveillance network to improve fisheries production.

Objectives of the Scheme:

- To improve fish production of the state.
- To develop protocols for fish seed selection / certification to ensure the availability of high health, disease – free, fish seeds.

Implementing Department: Tamil Nadu Dr. J. Jayalalitha Fisheries University, Nagapattinam

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 590.40 / 590.40

Outcome :

- Early identification of the disease in the field through on-site diagnosis.
- Dissemination of the disease management measures for prevention of diseases.

27) Development and Demonstration of Innovative Fisheries Engineering Interventions for the Production Maximization in Fisheries Industries.

Objectives of the Scheme:

- To fabricate tools and outer housing for descaling and filleting operations.
- To design and develop semi-automated synchronized harvester for shrimp culture.
- To design and develop fish meat extractor.
- To design and develop necessary machine for fish feed.
- To design and develop solar powered auto feeder for hatcheries.

Implementing Department: Tamil Nadu Dr. J. Jayalalitha Fisheries University, Nagapattinam

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 75.20 / 75.20

Outcome :

- Provision of engineering inputs in areas of harvesting processing and waste utilization from processing industry in the fisheries.

28) Development and standardization of a novel DIVA (marker) vaccine against Newcastle disease to augment production from poultry

Objectives of the Scheme:

- To generate DIVA (marker vaccine).
- To study on the purity, safety and potency of the developed marker vaccine against new castle disease in poultry.
- To transfer of technology and patenting.

Implementing Department: Tamil Nadu Veterinary and Animal Sciences University.

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 166.50 / 125.00

Outcome :

- Augmentation of production from poultry.

29) Bio electricity and Bio-hydrogen production using slaughter house waste rumen fluid

Objectives of the Scheme:

- To produce Bio - hydrogen by developing a microbial electrolysis cell using slaughter house waste rumen fluid.
- To enhance Bio – hydrogen production.

Implementing Department: Tamil Nadu Veterinary and Animal Sciences University.

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 19.80 / 19.80

Outcome :

- Design of successful lab model of microbial fuel cell and microbial electrolysis cell for Bio – electricity and Bio – hydrogen production.

30) One Health Approach for Animal and Public Health to Augment Food Safety and Productivity

Objectives of the Scheme:

- Construction of Model Lab for development of indigenous diagnostic kits for detection of zoonotic diseases, detect and monitor antimicrobial resistance evolving an antimicrobial usage policy for veterinary medicine, for detection and control of zoonotic diseases at the animal level to reduce the incidence in human.

Implementing Department: Tamil Nadu Veterinary and Animal Sciences University.

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 545.50 / 471.50

Outcome :

- Control zoonotic diseases at the animal level.
- Reduction in the incidence of zoonotic diseases in human population.

Co-Operation, Food and Consumer Protection Department

31) Establishing Solar Energy Systems to Godowns, Fair Price Shops and Modern Rice Mills.

Objectives of the Scheme:

- To promote usage of solar energy & its technology and to save conventional electrical energy.

Implementing Department: Tamil Nadu Civil Supplies Corporation

Recommended outlay and Sanctioned outlay (Rs. in lakhs) : 273.00 / 273.00.

Outcome :

- To ensure uninterrupted power supply.
- Significant savings in electricity consumption.

Energy Department

32) Establishment of 170 KW Grid – connected Solar Photovoltaic Power Plants in Irbumbai village of Vanur Taluk, Villupuram District and to provide uninterrupted electricity and make it as a solar village on a pilot basis.

Objective of the Scheme

- To demonstrate how rural areas can be provided with uninterrupted electricity in a sustainable manner and will therefore act as a model that can be implemented on a large scale while becoming mainstream practice.
- Rural feeders can be made bidirectional feeders which will feed solar power to the grid during the day time and take power from the grid during the night, such that the total power generated equals the power taken from the grid.

Implementing Department: Tamil Nadu Energy Development Agency (TEDA)

Recommended and sanctioned outlay: Rs. 206.10 lakhs.

Outcome:

- *Villages can self-generate their entire electricity requirement through SolarPower.*

33) Demonstration Project on Energy Efficiency among Public Sector Rice Mills

Objective of the Scheme:

- Steam generation for the process in rice mills is achieved through boilers in all the parboiled rice mills. In most of these boilers, the flue gas from the boiler outlet is leaving to the atmosphere at temperature of 160-180 degree Celsius.
- *The 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.*

Implementing Department: Chief Electrical inspectorate

Recommended and sanctioned outlay: Rs. 30.00 Lakhs

Outcome:

- *Promotion of plant efficiency and reduction in fuel consumption.*

34) Transformer Insulation Preservation using Innovative External Bellows developed by R&D TANGEDCO

Objective of the Scheme:

- *Moisture and oxygen entry, apart from temperature causes the deterioration of oil in the transformer and thereby reduces the life of the transformer and causes its premature failure. This can be addressed by introducing Innovative External Bellows for enhancing the insulation of the transformers and life of the transformers.*

Implementing Department: Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO)

Recommended Outlay and Sanctioned Outlay: Rs. 150.00 lakhs

Outcome:

- External Bellows would make the transformer maintenance free and enhance its life.

35) Retro filling of distribution class Transformers with bio – degradable, nonflammable synthetic ester oil.

Objective of the Scheme:

- *The synthetic ester oil as an alternative to the existing conventional oil with Fire safety & non-flammable and biodegradable.*

Implementing Department: Tamil Nadu Generation and Distribution Corporation (TANGEDCO)

Recommended and sanctioned outlay: Rs. 150.00 lakhs

Outcome:

- *Identified as hazardous and critically located Distribution class transformers in areas like (Public Crowded Areas) will replace with synthetic ester oil.*

36) Comprehensive condition monitoring techniques for lightning arresters of substations

Objective of the Scheme:

- To avoid/protect the equipment from failure due to overvoltage.
- Monitoring the condition of the lightning arresters, which diverts the over voltage safely as the overvoltage may cause sudden failure of equipment leading to power outage and in extreme cases fire.

Implementing Department: Tamil Nadu Generation and Distribution Corporation (TANGEDCO)

Recommended outlay: Rs. 170.00 lakhs

Outcome:

- *To protect the life of Transformers and other substation equipment by preventing their failures, thereby reducing the expenditure towards cost of replacement.*

Environment & Forest Department

37) Augmenting Drinking Water Supply to wildlife through motors energized by solar power

Objective of the Scheme:

- Due to scarcity of water, wild animals in comparatively dry regions start heading towards villages looking for alternate water sources leading to human-wild life conflicts.
- To provide Augmenting Drinking Water Supply to wildlife through motors energized by solar power.
- Bore well dug out inside the forest area upto 400 feet depth and submersible motors fitted which will be energized by "Solar Energy" with a Solar Panel of 300 Sq. feet. Water will be pumped to "Overhead tank" to be constructed for this purpose.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.108.00 lakhs

Outcome:

- Tackling the challenges of water scarcity to wild life animals and to provide solution to human-wild life conflicts.

38) Training and utilising services of volunteers in Rescue and Release of Wildlife

Objective of the Scheme:

- To provide training and utilising services of volunteers in rescue and release of wildlife.
- To engage and utilise the services of volunteers in the vulnerable villages to rescue and release of wild animal in the forest areas.
- Two volunteers from each of such vulnerable villages will be selected, trained and utilized to rescue and release of wild animals

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.30.00 lakhs

Outcome:

- Providing solution to human-wild life conflicts.

39) Crocodile Transition Camp

Objective of the Scheme:

- The process of capture and relocation of crocodiles is a tedious activity and needs standardization as it is largely subjected to risk.
- To prevent capture myopathy to the crocodiles and providing basic treatment to them.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.20.00 lakhs

Outcome:

- Safety capture and relocation of the captured animal.

40) Developing bio-shields for public safety along the coast

Objective of the Scheme:

- To develop bio shield for public safety along the coast.
- Bio-shield can reduce wind speed by forcing the air currents up and over the windbreak leaving areas of relative calm on the protected side.
- Coastline of the state is vulnerable. Hence a study is needed to develop suitable bio shield models for coastal villages to save their life and properties.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.7.03 lakhs

Outcome:

- The present model would stress on use of local plant species for shelterbelt and compare their effectiveness with the popular exotic model planting Casuarina.

41) Conservation of genetic diversity of Santalum album for future public needs

Objective of the Scheme:

- To conserve the genetic diversity of Santalum album.
- Establishment of clonal orchards to conserve the genetic diversity of Santalum album.
- Adoption cleft grafting method suitable for clonal propagation method for Santalum album

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.2.85 lakhs

Outcome:

- Traditional sandal bearing areas will be protected.

42) Remote Data Management solution for research activities of Forest Department

Objective of the Scheme:

- Software is needed to be customized and developed to meet research needs like field observations, taking measurement and need to be sent to higher officials.
- The data needs to be supported with photo, video, voice recording and GPS points.
- The integration of the collected data with the headquarters needs to be done with internet and websites supported by a server.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.22.00 lakhs

Outcome:

- Switching of web based real time data management will improve the efficiency of the research wing.
- Facilitates quick decision making and delivery system.
- Better and more informed and

43) Solar Powered Real Time Wireless Video Surveillance System for improving the protection of Red Sanders.

Objective of the Scheme:

- To provide 24x7 wireless video surveillance of the Red Sanders Plantations of Tiruvallur Division.
- The existing system for Red Sanders protection have difficulties like absence of power supply in remote forest area, impossible to connect the cameras with the control room with optical fibers since they are located too distant from the control room. Hence Solar Powered Real Time Video Surveillance System will be suitable in remote distantly located areas.

Implementing Department: Principal Chief Conservator of Forests. Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.96.54 lakhs

Outcome:

- Protection of Red Sanders Plantations of Tiruvallur Division from Red Sanders smugglers
- To provide 24x7 wireless video surveillance of the Red Sanders Plantations of Tiruvallur Division.

44) Establishment of MIS with video conference facilities in Virudhunagar Circle

Objective of the Scheme:

- Aims for leveraging technology for enhancing the efficacy by instituting Management Information System (MIS), equipping personal digital assistants with data connectivity.
- Providing On line /web, Video conferencing, CCTV Surveillance.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.63.00 lakhs

Outcome:

- Energizing the remotely located off grid building such as anti-poaching watchers shed, forest rest houses and range offices,

45) Development of Mobile Application (Tamil & English) and an online interface for Tree Plantation under various Government Schemes

Objective of the Scheme:

- Developing a mobile application and online interface to provide information on trees that are suitable for plantation outside the forest lands in private/public lands.
- Exposing the opportunities and the exploring the unpopular trees species by using technological advancements.
- Quick reference to the resource materials. Will be able to select the right tree species for plantation. Will be able to contact the right person at the right time for additional information.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.18.40 lakhs

Outcome:

- Widen the scope of Farm Forestry
- Choosing the right tree species
- Guiding through the plantation and widening the knowledge and choice of tree species.

46) E-Learning – Interactive Online Environmental Awareness for School Children

Objective of the Scheme:

- To promote environmental awareness among the students and to help in protecting and preserving the environment.
- To create environmental awareness to the school students by conducting various online games and environment related quiz programme.
- To link all the EIDC (Environmental Information Dissemination Centre) of schools to the Department of Environments Server.

Implementing Department: Director of Environment, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.40.71 lakhs.

Outcome:

- Awareness generation using modern technology and the students from all EIDCs able to interact with the experts of the Department.

47) Maximizing the Ground Water Recharge in the Vanagaram Reserve Forest of Ariyalur Forest Division.

Objective of the Scheme:

- To avoid the surface runoff and erosion.

- Maximising the ground water recharge by vertical infiltration through vertically driven slotted PVC Pipes with filtering ingredients.
- To maximize the water recharge the **impermeable calcareous pan** to be penetrated to pump in the water underneath.
- Due to filtering ingredients the rain water will be filtered and the crystal clear water will be pumped in for the future usage without any contamination.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.15.00 lakhs / Rs.12.50 lakhs

Outcome:

- *Ground water shortage and erosion due to surface run off will be reduced.*

48) Non Destructive method by ultrasonic standardized for assessment of internal decay and hollowness in standing trees and timbers.

Objective of the Scheme:

- The application of acoustic tomography in urban tree inspection is a non-destructive imaging technique based on simultaneous measurements of the time of transmission of acoustic waves by multiple sensors arranged around trunk.
- It provides a two dimensional image of the cross section that illustrates the physical conditions of the trunk with significantly low cost.
- It is significantly low cost compared to X-ray computed tomography in medical applications, this technique has attracted attention in wood and urban forest communities.

Implementing Department: Principal Chief Conservator of Forests, Chennai

Recommended Outlay and Sanctioned Outlay: Rs.27.00 lakha / Rs. 27.00 lakhs

Outcome:

- Early detection of internal decay in hardwoods could provide a significant benefit to the industry due to accurate quality assessments and volume estimates and use of the resource.
- Helps in prescribing silvicultural treatments for improved management to maintain a healthy forest.

49) Restoration of the Tropical Dry Evergreen Forest (TDEF) in Nanmangalam Reserve Forest, Chennai

Objective of the Scheme:

- The forests hosts a rare, dwindling, distinct type of vegetation having rare biological richness and high species abundance. This RF has suffered under various causes of degradation.
- Restoration of Tropical Dry Evergreen Forests through conservation, artificial regeneration and assisting the natural regeneration.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.120.00 lakhs.

Outcome:

- Restoration of such unique, rare and biologically rich Tropical Dry Evergreen Forests through conversation, artificial regeneration and assisting the natural regeneration.
- Imparting conservation education and awareness to various stake holders.

50) Project Kaliru

Objective of the Scheme:

- The project aimed at achieving lifestyle & livelihood compatibility with Asian Elephants by increasing participation and capacity building of all stake holders in the Elephant depredation and forest fringe areas.
- The project also aims to integrate and provide for formation of institutions that serve as communication centers between the Tamil Nadu Forest Department and local communities to address the issues of human elephant conflict.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.138.75 lakhs.

Outcome:

- Address the human elephant conflict, mitigation and management and creates better awareness among the people residing in Coimbatore and Nilgiris.

51) Women Empowerment through Conservation of Medicinal Plants

Objective of the Scheme:

- To empower rural women in forest fringe villages through sustainable cultivation of medicinal plants to enhance women role in the value chain assessment and can be source of revitalising existing participatory institutions.
- Create awareness among public on the importance of medicinal plants and its value in treating common diseases.

- Facilitating women participation in forest user groups can make major difference in the livelihoods of forest dependent people through SHGs.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.63.38 lakhs.

Outcome:

- The women SHGs are trained to raise Home Herbal Gardens by supplying good market value medicines species which have potential and usage in traditional medicinal treatment.
- Medicinal plants scheme Home Herbal Garden shall be initiated in three districts of Tamil Nadu, Salem, Dharmapuri, and Namakkal by raising medicinal plants simultaneously facilitating the trade of medicinal plants through women SHGs.
- Facilitates the trade of medicinal plants through “Women Entrepreneur Group”.

52) Surveillance of Forest and Wildlife areas through Drone Technology.

Objective of the Scheme:

- Drone technology can be useful in search and rescue operations tracking, monitoring translocated animals, injured animals, spotting dangerous carnivores without putting any staff in risk.
- Drones can be used in manhunts when poachers or other forest offenders are on the run or in hiding inside forests.
- All images and videos can be instantly viewed, recorded, and archived and they are very easy to use and with a little training the lowest levels of patrolling staff.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.20.00 lakhs.

Outcome:

- Manhunts when poachers or other forest offenders are on the run or in hiding inside forests. Drones are handy during man animal conflicts.

53) Providing 300 litre fermentor and mixing in blender - 50 kg capacity.

Objective of the Scheme:

- This project is to forge a link between agricultural related research and engineering.
- Installation of 300 litre Fermentor 50 kg capacity in modern nursery division, Dharmapuri for production of Bio fertilizer by using multiplication bacterial liquid culture.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.12.00 lakhs / Rs. 12.00 lakhs.

Outcome:

- Bio fertilizer for use in departmental nursery and plantation to encourage retail sale to farmer and tree grower.

54) Creation of Bio-fence along Forest boundary to improve the habitat of Slender Loris

Objective of the Scheme:

- To protect feeding and breeding habitat of Slender Loris by creating Bio fence.
- To strengthen the boundary of R.F through bio-fence.
- To prevent forest encroachment.
- To Protect the Slender Loris from human, Stray dogs and Vulture, etc.,
- To increase feeding and breeding habitat for Slender Loris and to protect the Reserved Forest from the cattles.

Implementing Department: Principal Chief Conservator of Forests, Chennai

Recommended Outlay and Sanctioned Outlay: Rs.27.60 lakhs / Rs.27.60 lakhs.

Outcome:

- Bio-fence materials such as Thirugu Kalli (*Euphorbia*) and Kiluvai planted along the boundary of Reserved Forests at a distance of 10 kms and maintain for minimum two years.
- Protection of endangered species.

55) Restoration of Native Grass land in Kodaikanal Division.

Objective of the Scheme:

- Conservation of Bio diversity and to recharge ground water by removal of Invasive Allien Species and restoration of native grass land.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.84.70 lakhs / Rs.84.70 lakhs.

Outcome:

- Creation of native grasslands is important project for saving this fragile ecosystem for restoring the native grassland ecosystem which are unique to Kodaikanal Wildlife Sanctuary.

56) Composting the bio wastage generated in State Forest Research Institute through modern machinery and techniques

Objective of the Scheme:

- Bio waste is a serious threat to the woodlots during fire season. The fire hazard can be minimized and will be helpful for the organic farming.

- The traditional method requires more than one year for converting the branches and other woody parts into compost.
- By using shredder pulverizer machinery and using modern techniques with reduced time and faster composting of entire biomass without any wastage.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.10.00 lakhs / Rs.10.00 lakhs.

Outcome:

- Modern techniques with reduced time and faster composting of entire biomass without any wastage.

57) Development of Novel expression markers to aid in the screening of tamarind genotypes for superior fruit characteristics.

Objective of the Scheme:

- To study and elucidate the biosynthesis pathway of the anthocyanin its key genes and pathway regulators by doing transcriptomic gene mapping analyses to develop elite genotypes of tamarind rich in anthocyanin content.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.9.89 lakhs.

Outcome:

- To exhibit potential therapeutic effect such as radiation protective, Chemo-protective, Vaso –protective, inhibition of low density level oxidation, prophylactic action and decrease risk of cardiovascular disease.

58) Award for best Ad-films on Environmental Protection

Objective of the Scheme:

- To create awareness and capitalizing the talents from among the society by giving Environment award for best Ad-films on Environment protection fit for telecasting in the public media
- Publicizing mechanism for award winning Ad-films on environment protection

Implementing Department: Director of Environment, Chennai

Recommended Outlay: Rs.50.00 lakhs.

Outcome:

- Creating of environmental awareness by telecasting the Ad-films through mass media.

59) Establishment of Orchidarium in Anamalai Tiger Reserve.

Objective of the Scheme:

- Anamalai Tiger Reserve possesses diverse fauna and flora, well representative of the region. The Tiger Reserve supports diverse habitat types viz. wet evergreen forests, semi evergreen forests, moist deciduous, dry deciduous, dry thorn and shola forests
- To create an awareness among students, researchers and public on importance of preservation of rare and endemic orchids found in Anamalais.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay: Rs.46.90 lakhs.

Outcome:

- Creating awareness among students, researchers and public on importance of preservation of rare and endemic orchids in Anamalais.

60) Smart classes in the forest schools of Tirupattur Forest division

Objective of the Scheme:

- To improve the overall academic performance in schools with the help of smart classes.
- To create awareness among the local people about forest and wildlife. It also enhances the tribal students enrolment and attendance.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay: Rs.15.24 lakhs.

Outcome:

- This project will be beneficial for students and the people living in an around the schools run by Tirupattur Forest Division.

61) Advanced barrier type through erection of Wire Rope Fencing along RF boundaries to mitigate human – wildlife conflict.

Objective of the Scheme:

- To protect agriculture crops, prevent entry of elephants into human habitations and illegal hunting of elephants.
- Erection of wire rope fencing is proposed along the reserved forest boundaries of Hosur Forest Division to mitigate human wild life conflict.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay: Rs.261.85 lakhs.

Outcome:

- Ensuring safe and secured living for both humans and elephants

62) Tribal Eco Cultural Village – A living museum in Sathyamangalam Division, Sathyamangalam Tiger Reserve, Erode

Objective of the Scheme:

- To establish a tribal eco cultural village – A living museum in Sathyamangalam Tiger Reserve.
- To highlight the lifestyle of Tribals and enhancing the appreciation of ethnic tribal culture and richness of Tamil Nadu.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay: Rs.700.00 lakhs.

Outcome:

- Upholding Tribal pride, tribal economic development, environmental awareness, forest conservation, creation of Tourism facilities.
- Beneficial to Tribal Communities of Erode and general public.

63) Providing Solar powered Boats for Eco Tourism at Kalakad Mundanthurai Tiger Reserve and environmental awareness

Objective of the Scheme:

- To provide Solar Power Boat for Eco Tourism in Project Tiger, Ambasamudram Division, Karaiyar Dam
- To provide Eco Tourism at Tiger Reserve at Kalakad Mundanthurai Tiger Reserve

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay: Rs.225.00 lakhs.

Outcome:

- Reduces pollution and noise and support to Eco Tourism at Tiger Reserve at Kalakad Mundanthurai.

64) Development- Water Management Strategy in Point Calimere wildlife sanctuary

Objective of the Scheme:

- To improve water storage and supply by enhancing the ground water recharge.
- To protect and enhance water resources originating in the water shed.
- To manage and utilize the runoff water purposefully.
- To extend the period of availability of water through appropriate innovation and intervention.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay: Rs.27.50 lakhs.

Outcome

- To retain healthy population of wildlife within the sanctuary limits.
- Enables to form short term to long term action plans to harvest and conserve the rainwater.

65) Proposal for “Long term monitoring of montane grasslands including establishment of field research station at Grass-hills area of the Anamalai Tiger Reserve, Tamil Nadu”

Objective of the Scheme:

- Proposed to make grass hills national park as permanent hill station for long term research on wet evergreen forests.
- To identify and map the existing grasslands in the Anaimalai Hills in the Western Ghats.

Implementing Department: Principal Chief Conservator of Forests, Chennai.

Recommended Outlay: Rs.17.87 lakhs.

Outcome

- Conservation of endemic and endangered species of the flora and fauna of grasslands ecosystem and photo documentation and dissemination of information.

Finance Department

66) *E-Governance Initiatives Audit information management system in Cooperative Audit and Local Fund departments*

Objective of the Scheme:

- To provide an end to end functionality for managing the complete audit life cycle including audit planning, scheduling and generation of audit report.

Implementing Department: Directorate of Co-Operative Audit

Recommended Outlay and Sanctioned Outlay: Rs.200.00 lakhs

Outcome:

- Monitoring of the audit conducted in various district offices which includes progress of audit of all district offices.

Handlooms, Handicrafts, Textiles and Khadi Department

67) Purchase of Electronic Jacquard operated through Pneumatic Drive System for handlooms

Objective of the Scheme:

- To produce new designs to the changing trends in the market
- To improve the quality of weaving and production

Implementing Department: Directorate of Handlooms and Textiles

Recommended Outlay and Sanctioned Outlay: Rs.360 lakh / Rs.240 lakh for two years.

Outcome

- Easy online editing in any pattern loaded in electronic jacquard while weaving
- Huge data storage upto 2.5 Lakh Saree patterns.
- Promotes sale of handloom products in domestic and international markets
- Increases the income and sustainability of weavers in this industry.

68) Supply of Pneumatic Handloom for Handloom Weavers

Objective of the Scheme:

- To reduce strain and improve handloom weaver's productivity
- To enhance earning capacity of weavers

Implementing Department: Directorate of Handlooms and Textiles

Recommended Outlay and Sanctioned Outlay Rs.135 lakh / Rs.45 lakh for 1st year.

Outcome

- Introduction of simple automations helps to simplify the work of the weaver thereby reduces fatigue of weavers with increase in production
- Improves the productivity and sales, thereby getting higher earnings for weavers
- Reduces migration of weavers to other jobs as handloom weaving involves great strain in case of jacquard looms.

69) Installation of Tub Dyeing Units with 6 Arms Dyeing Machines

Objective of the Scheme:

- To improve the quality of dyeing
- To process silk in yarn-form by adopting scientific way of dyeing
- To eradicate drudgery involved in squeezing the dyed silk

Implementing Department: Directorate of Handlooms and Textiles

Recommended Outlay and Sanctioned Outlay: Rs. 90 lakh/ Rs. 30 lakh for 1st year.

Outcome

- Spraying the dyeing liquor and rotating the arms manually is achieved very easily with the help of pump and motor
- Reduces physical strain and improves Silk Handloom Weavers' Societies productivity
- Helps to retain tenacity property of silk and reduces wastage of dye during dyeing process
- Ornamenting with colours enhances the appearance of textile materials and increases the sales
- Attracts younger generation to silk industry and also retains the workforce involved in dyeing industry

70) Purchase of Washing-cum-Rinsing Machines for Silk Dyeing Unit

Objective of the Scheme:

- *To mechanise rotational and lifting operations for washing and rinsing done manually*

Implementing Department: Directorate of Handlooms and Textiles

Recommended Outlay and Sanctioned Outlay: Rs.9 lakh /Rs.6 lakh for two years.

Outcome

- *Reduces physical strain and improves the Silk Dyeing Handloom Weavers Societies productivity*
- *Helps to retain the workforce involved in dyeing industry and attract the young generation to silk industry*

71) Repositioning Co-optex as a premium brand through the launch of niche boutiques

Objective of the Scheme:

- To reposition the Co-optex brand as premium and high quality brand
- To create unique and high quality merchandise.
- To showcase and retail through boutiques.

Implementing Department: Co-optex

Recommended Outlay and Sanctioned Outlay: Rs.120 Lakhs / Rs. 120 Lakhs

Outcome:

- Launching 4 niche boutiques in Chennai, Coimbatore, Cochin and New Delhi
- Extending Market support in Handloom Weavers' Co-operative Societies
- Promoting production handloom products in Handloom Sector

72) Design Research and Development Centre (DRDC)

Objective of the Scheme:

- To promote contemporary designs in traditional crafts by ushering in a new era for handicrafts.
- To promote research and design related projects in India as well as abroad.
- To expand global e-commerce driven economy.

Implementing Department: Tamil Nadu Handicrafts Development Corporation Ltd.

Recommended Outlay and Sanctioned Outlay :Rs.168.45 lakh / Rs.168.00 lakh

Outcome

- Revitalizing traditional crafts, using computer aided design and 3D printing / manufacturing technology.
- Enhances competitiveness and economic gain in the global market.
- Artisans will have more scope for traditional crafts at global level.
- Facilitates access to information and maintain extensive online database for designers, artisans, business and individuals interested in craft.

73) Developing a exhibition cum demonstration centre to expose silkworms rearing activities to the farmers

Objective of the Scheme:

- To promote Silk farm as a tourist centre with creation of awareness about the Sericulture activities from mulberry cultivation to silk fabrics.
- To attract tourists and helps in upliftment of tribal folks through tourists

Implementing Department: Directorate of Sericulture

Recommended Outlay and Sanctioned Outlay: Rs.250.00 lakh / Rs.250 lakh

Outcome

- *Development of Government Silk farm at Yercaud as an 'Exhibition cum Demonstration Centre' with all sericulture activities including silkworm seed production, mulberry cultivation, silkworm rearing, silk reeling and weaving.*
- *Establishment of children's park, lawns, exhibition, children's animation centre, establishment of model silk reeling unit, twisting unit, weaving unit, establishment of civic amenities, etc.,*
- Establishment of Seri-Tourism Centre will motivate farmers and tourists to take up sericulture activities
- Helps sericulture farmers, develops tourism and encourages tourists and also helps in upliftment of tribal folks through tourists

74) Purchase of Motorised Jacquard Machines for Handlooms

Objective of the Scheme::

- *To promote the sale of handloom products in domestic and international market.*
- *To update designs periodically according to the changing trends in the market.*
- *To introduce new technology in the industry, so as to improve the quality of weaving and production.*

Implementing Department: Directorate of Handlooms and Textiles

Recommended Outlay and Sanctioned Outlay: Rs.675 Lakhs / Rs.225 Lakhs for 1st year.

Outcome:

- Improves the quality of the weaving and production
- Motorised Jacquard lifting Machine is one of the new accessories developed for handlooms with almost no maintenance cost

75) e-Repository of Artisans

Objective of the Scheme::

- *To create a common portal for the Artisans families in the state for world wise access*
- *To provide a link between the Corporation and the Artisans of Tamil Nadu for marketing and production activities.*

Implementing Department: Tamil Nadu Handicrafts Development Corporation Ltd.

Recommended Outlay and Sanctioned Outlay: Rs.100 lakhs.

Outcome

- e-Repository will capture the artisans discipline, year of experience, location, contact details, honours and awards won etc.
- Helps to upload artisan's work of craft along with the price ranges in media gallery
- Helps the public to know the types of arts available and select the art according to their taste.
- Upliftment and Sustainability of artisans in the industry

76) Installation of 'Solar Power Panels for lighting load' for Ramanathapuram Co-operative Spinning Mills

Objective of the Scheme:

- To install Solar Power Panels for lighting load for 6 Co-operative Spinning Mills
- To reduce the expenditure through solar panels and improve the financial position of the Cooperative Spinning Mills

Implementing Department: Directorate of Handlooms and Textiles

Recommended Outlay and Sanctioned Outlay: Rs.86.72 lakh / Rs.86.72 lakh

Outcome

- Ensures continuous supply of quality yarn at reasonable rate due to uninterrupted power supply
- Helps to provide employment to rural people

77) Installation of "XRF Analyzers" at Kancheepuram and Kumbakonam to create awareness in checking the quality of zari under non-destructive method.

Objective of the Scheme:

- To check quality of zari used in silk sarees under Non Destructive method

Implementing Department: Directorate of Handlooms and Textiles

Recommended Outlay and Sanctioned Outlay: Rs.37.50 lakh / Rs.37.50 lakh

Outcome

- Test result will be displayed in the computer by attachment of XRF Analyser and report of the test result can be printed immediately.
- Saves time from 8 hours to 1 minute for testing and very useful to the public

78) Modernisation of the sales counter of the Madurai Khadi Kraft

Objective of the Scheme:

- To modernise the Khadi Kraft like a private mall by adoption of innovative techniques
- To attract the middle and upper income categories of customers including youths

Implementing Department: Tamil Nadu Khadi and Village Industries Board

Recommended Outlay and Sanctioned Outlay: 80.00 Lakhs, Sanctioned: 80.00 Lakhs

Outcome

- Substantial improvement in developmental outcomes
- Increases marketability and sales of product of artisans and improve their standard of living.

79) Promoting heritage and handicraft of Tamil Nadu through Virtual Reality Showrooms

Objective of the Scheme:

- Creation of State of the Art Immersive Virtual Reality Gallery and Showroom at selected Cities.
- To boost the online sales and create awareness on the possibilities available in handicrafts of Tamil Nadu

Implementing Department: Tamil Nadu Handicrafts Development Corporation Ltd,

Recommended and Sanctioned outlay : 216.67 Lakhs / 188.27 Lakhs for first year

Outcome

- Create a platform to drive revenue generation and awareness for innovation based on immersive Virtual Reality Technology
- Increase the direct sales opportunities without the need to setup a physical showroom or gallery on site.

80) Purchase of Handloom Mobile Express

Objective of the Scheme:

- Marketing the product with a brand and its service plays the major role for the expansion of any business.

Implementing Department: Directorate of Handlooms and Textiles

Recommended Outlay and Sanctioned Outlay: 30.00 Lakhs , Sanctioned: 30.00 Lakhs

Outcome

- Road show arrangements throughout the State will improve the marketing activities of handloom products.

81) Installation Design and Development of Industrial Combined washing and Hydroextractor for Silk Materials

Objective of the Scheme:

- Development of machinery for silk materials with advanced features suitable for the present situation

Implementing Department: Directorate Handlooms and Textiles

Recommended: 3.00 Lakhs / Sanctioned: 3.00 Lakhs

Outcome

- 2 Kg capacity washing and hydro extractor machine will be developed
- Increase the production, quality and save time.
- Reduce labour

Health and Family Welfare Department

82) Technology to achieve zero stigma and discrimination against HIV affected

Objective of the Scheme:

- To implement a sustainable technology enabled environment to assist HRGs and PLHIVs of Tamil Nadu to fight against AIDS stigma and discrimination in the State
- To establish a 3 tier redressal system from Block level to State level
- To set up an MDG platform infrastructure within the TANSACS Data center
- Design and implement the cloud based online portal
- To identify the magnitude of stigma towards target population.
- To identify and analyze the self and perceived stigma
- To understand the existing informal system to address stigma related issues

Implementing Department: Tamil Nadu State AIDS Control Society (TANSACS)

Recommended Outlay:Rs.10.05 lakhs, Sanctioned Outlay: Rs. 9.98 lakhs

Outcome:

- Tamil Nadu will set a model for other states in moving towards UNAIDS vision of zero new infection, zero stigma and discrimination and zero HIV related deaths.
- User friendly reporting mechanism and PLHIVs and HRGs feel secured
- Timely redressal of stigma related issues
- The degree of stigma & discrimination will drastically come down
- System to address crisis by and for community will be developed.
- Scope for tracking the redressal mechanism
- Scope for sensitization and reduced stigma in the society

83) Upgradation of Sick Newborn Care Unit

Objective of the Scheme:

- To upgrade SNCU intensive care unit in order to reduce NMR in the State through provision of Neonatal Ventilators, CPAP, Disposable circuits for ventilators

Implementing Department: Directorate of Medical Education (through ICH, Egmore)

Recommended Outlay: Rs.1000.08 lakhs, Sanctioned Outlay: Rs.1000.08 lakhs

Outcome:

- Reduction of Neonatal mortality in the State

84) Establishment of Molecular Diagnostic Lab at the Institute of Child Health & Hospital for Children at Egmore and Prevention and intervention of Persons with Mental Retardation (PIPMR)

Objective of the Scheme:

- Establishment of Laboratories for Diagnosing Inherited disorders/ molecular diagnostic laboratory with the components (I) Equipments, (II). Consumables, (III). Infrastructure and (IV) Manpower.
- Early identification of children with inherited metabolic disorders for appropriate treatment, prognosis and genetic counselling

Implementing Department: DME through ICH & HC, Egmore

Recommended Outlay : Rs.302.00 lakhs , Sanctioned Outlay: Rs.302.00 lakhs (Rs.204.10 lakh for Establishing lab and Rs.97.90 lakhs for PIPMR)

Outcome

- Reduction in Morbidity and Mortality of Neonates and young children caused due to inherited metabolic disorders.
- To mainstream the mentally retarded children to normal stage

85) An Integrated working model to identify, prevent and set base for neglected Paediatric disorders - Care of Duchenne Muscular Dystrophy (DMD)

Objective of the Scheme:

- Molecular Diagnostics - Identification.
- Prevention through carrier analysis and Genetic Counseling
- Model rehabilitation initiative for children with Duchenne muscular dystrophy
- State wide registry for Duchenne Muscular Dystrophy – First of its kind

Implementing Department: National Health Mission - through MDCRC (NGO)

Recommended & Sanctioned Outlay: Recommended outlay: Rs. 245.00 lakh;

Outcome

- Improve quality of life of children with DMD through Multi-Disciplinary Clinical Care and its integration into the Health system

86) Replacement of the lost part of upper/ lower Jaw

Objective of the Scheme:

- To provide complete rehabilitation of the lost part of the upper and lower jaw which is essential for speech, mastication and appearance.

Implementing Department: Directorate of Medical Education through

TN Govt. Dental college & hospital

Recommended Outlay: Rs.113.64 lakhs

Sanctioned Outlay: Rs.113.64 lakhs (3 years)(103.88+4.88+4.88= Rs.113.64 lakhs))

Outcome:

- Poor patients suffering from benign and malignant tumours can be treated with this latest technique.
- Reconstruction of the resected jaw was not done so far. This will be first of its kind in the Govt. sector.

87) Web based epidemic prone infectious disease notification system for prevention and control of epidemics in 12 Corporations of TN

Objective of the Scheme:

- To develop a customized web based epidemic prone infectious diseases reporting system and a robust surveillance system in 12 Corporations of Tamil Nadu.

Implementing Department: Directorate of Public Health & Preventive Medicine

Recommended Outlay: Rs.298.00 lakhs, Sanctioned Outlay: Rs.298.00 lakhs

Outcome:

- Effective forecasting and early detection of outbreaks.
- Availability of quality data for monitoring the trends and forecasting outbreaks and policy formulation for infectious disease control programmes.
- Timely action could be taken to reduce morbidity and mortality.

88) Implementation of Community Mental Health Project at Puliampatti, Ottapidaram Taluk

Objective of the Scheme:

- To provide treatment to the persons living with mental illness in the project area.
- To provide skill training to the mentally ill person to mainstream them into the society through creating acceptance among the people
- To develop the sense of empowerment among the caregivers to face the suffering and negligence in the society.

Implementing Department: Directorate of Medical Education

Recommended & Sanctioned Outlay: Rs.51.56 lakh

Outcome:

- The quality of life of mentally ill persons will be improved.
- Family burden of the mentally ill persons will be reduced
- Drug compliance by the patients will be improved
- Remarkable reduction in the mental disability will be noticed

89) Innovative strategies to reduce mortality of children presenting with fever

Objective of the Scheme :

- The project aims to reduce preventable mortality for children reaching the OPD of ICH who present with fever due to Dengue, H1N1, diarrhoea, sepsis, malaria etc thereby reducing Under 5 mortality in order to attain MDG in Tamil Nadu.

Implementing Department: Department of Medical Education (through ICH)

Recommended & Sanctioned Outlay: Rec: Rs.486.70 lakh ; Sanction: Rs.486.70 lakh

Outcome :

- Innovative strategies developed in the Paediatric emergency department of ICH would recognize and manage serious infections.
- Every child who visits OPD will be evaluated using the triage guidelines.
- All children who are recognized as seriously ill will be resuscitated in the Paediatric Emergency Department (PED) and followed up using critical pathways until discharge using templates developed for this purpose.

90) Testing of Hbs Ag & TSH in pregnant mothers in high performing CEmONC centres

Objective of the Scheme:

- Screening of HepatitisB and Overt or Subclinical Hypothyroidism in Ante-Natal mothers.
- A Pilot study on pregnant women approaching CEmONC centres in the state through screening of HBsAg and TSH antibodies to identify high risk groups and focus on their monthly check-up and continuous treatment.

Implementing Department: National Health Mission /TN State Health Society

Recommended Outlay: 232.50 lakh, Sanctioned Outlay: Rs.232.50 lakhs

Outcome:

- Early diagnosis in pregnant women prevents complications & maternal deaths in tertiary & secondary care institutions, thereby reducing out of pocket expenditure & late referrals.

91) Strengthening Vector Surveillance in Tamil Nadu by Detection of Dengue Viruses in field caught mosquitoes

Objective of the Scheme:

- To strengthen the Central Malaria Laboratory (CML) functioning in the DPH office and the Institute of Vector Control and Zoonosis, Hosur to screen Mosquito pools sent by designated Zonal Entomological Team (ZET) for presence of Dengue viruses (DENV).

Implementing Department: Directorate of Public Health and Preventive Medicine

Recommended & Sanctioned Outlay: 378.00 lakh (3 years project) 378.00 lakh

Outcome:

- Monitoring of mosquito population for DENV infection would provide improved risk assessment of DENV infection in humans
- Effective vector control programs in areas at greatest risk for ongoing/ impending epidemics and rapid response to the emergence of DENV in new areas with susceptible human population.

92) Establishment of Cardiac Care Network

Objective of the Scheme:

- It is proposed to establish HUB and Spoke model to strengthen the cardiac care network in Tamil Nadu, in particular ST Elevation care.
- To improve critical cardiac care transportation through 108 Ambulance Service.
- To generate systems to increase the public awareness on the importance of early treatment in STEMI cases.
- To generate systems to increase the public awareness for the need of BPL patients to have CMCHIS card available to them.

Implementing Department: National Health Mission

Recommended Outlay: Rs.925.20 lakhs 3 years, Sanctioned Outlay: Rs.925.20 lakhs

Outcome:

- Reduction of morbidity and mortality related to Myocardial Infarction (MI) in particular ST Elevation.
- Improved networking of the CMCHIS scheme linking it to ration card and ability to provide the necessary clearance for the procedure without delay to the patients.

93) Establishment of Clinical Simulation Skill Labs in 7 Medical college Hospitals

Objective of the Scheme:

- In cases of Road Traffic Accident (RTA), doctors and nurses who attend the patient at the hospital level needs to be trained in order to save the patient's life. Simulation-based medical education uses manikins to simulate any scenario virtually and it facilitates active learning. The project aims to establish Clinical Simulation Skill Labs in 6 Medical college hospitals and one Government District Head Quarters Hospital

Implementing Department : National Health Mission/TN State Health Society

Recommended & Sanctioned Outlay Rec: Rs.1085.00 lakh ; Sanctioned: Rs.1085.00 lakh

Outcome

- Integrating simulation into traditional teaching models improves learner proficiency and offers them a more progressive and comprehensive skill set.
- These labs in regions would be very helpful to conduct continuous training to the doctors and paramedical staff in Emergency management skills.

94) Establishment of Emergency Care Centers (ECC) in 2 high accident prone areas (PHC and Sub-district hospitals)

Objective of the Scheme:

- The project aims to establish ECCs which stabilizes critical trauma and medical emergencies within the golden hour, thereby providing a longer window period for survival and reduces complications. The ECC will be co-located in a Government hospital/ PHC.

Implementing Department: National Health Mission

Recommended & Sanctioned Outlay: Rec: Rs.208.44 lakh; Sanctioned: Rs.207.96 lakh

Outcome:

- Victims involved in vehicular and non-vehicular trauma, acute Myocardial Infarction, seizure, cerebrovascular accident, poisoning, etc. can be handled at ECC, thereby reduce the time of travel to Government Hospitals

95) Equipments for Block Early Intervention centre (BEIC)

Objective of the Scheme:

- The Early Intervention Centers located in 31 districts serves early identification and early intervention for children from birth to 18 years to cover 4 'D's viz. Defects at birth, Deficiencies, Diseases, Development delays including disability and children diagnosed with conditions requiring daily intervention. In order to avoid tedious travel of the parent and child to the DEIC at Medical College or District Head Quarters Hospital, the project aims to establish EIC at block level in 42 blocks.

Implementing Department: National Health Mission

Recommended & Sanctioned Outlay: & Rs.115.20 Lakh; 115.20 lakh

Outcome:

- Ensures continuum of care and increase accessibility for the Children identified by DEICs.
- Quality of the life of identified children will improve.

96) Machineries & equipments for Reverse transcription polymerase chain reaction – (RTPCR) testing in Real Time in the 5 Medical College Hospitals

Objective of the Scheme:

- Real Time PCR equipment which is used for the diagnosis of Swine flu -AH1N1, Hepatitis-C, HSV, Enterovirus, Scrub typhus, etc is available only in 6 Medical College Hospitals. Suspected Cases from other districts have to travel to these centers, which is very strenuous especially during epidemics. The project aims to establish RTPCR testing centres in another 5 medical College hospitals.

Implementing Department: National Health Mission.

Recommended & Sanctioned Outlay: Rs.218.25 Lakh & Rs.218.25 Lakh

Outcome:.

- Availability of testing facility in 5 more Medical College hospitals would help in quick confirmation of suspect cases and ruling out the diagnosis.

97) Equipments for Cochlear Implantation centre in 5 Medical colleges – (GIFT A EAR)

Objective of the Scheme

- The most common congenital defect is congenital deafness. At present Cochlear Implantation Centre which provide facility for advanced surgery and perform Cochlear Implantation is available in Chennai and Coimbatore. The project aims to establish Cochlear Implantation Centres in 5 more Medical College hospitals.

Implementing Department: National Health Mission.

Recommended & Sanctioned Outlay: Rec: 375.00 lakh ; Sanc: 375.00 lakh

Outcome

- Rehabilitation can help these children to bring out their potential and lead a normal life.
- This ensures that no deserving child remains deaf due to financial constraints or inaccessibility to the equipped health institutions.
- These centres will also act as Training Centres for ENT surgeons.

98) Strengthening the Hemodialysis units in Primary care institutions

Objective of the Scheme:

- Increasing prevalence of Chronic renal failure, limited availability of organ transplantation facilities as well as the exorbitant cost involved increases the responsibility of Government for creating adequate infrastructure for providing Hemodialysis at District / Sub District level health facilities. This project aims to strengthen the dialysis facilities with hemodialysis machines along with the Reverse Osmosis facility.

Implementing Department National Health Mission.

Recommended & Sanctioned Outlay: Rec: 900.00 lakh ; Sanctioned: 900.00 lakh

Outcome

- Reduce out of pocket expenditure of household with Chronic Kidney Disease patients by increasing the capacity of government hospitals to provide hemodialysis services free of cost.

99) Comprehensive Plan for Fever Surveillance, Prevention and Control of Epidemic prone Infectious diseases and Management in Tiruppur district

Objective of the Scheme:

The project aims to:

- Create 24 hours fever management centres in all Government health facilities of Tiruppur Health Unit District.
- Establishing Fever Surveillance of both OP and IP care in these centres, adopted from the Surveillance model of Tiruvallur project.
- Improve Laboratories with equipment and other facilities for diagnosing the fever cases and improving the lab based surveillance.
- Capacity building and better management of all OP/ IP fever cases. An infectious diseases ward will be established in the available building space of all the 13 UG PHCs, 9 Taluk level hospitals and one DHQ hospital.
- Improve Public Health response in the identified hotspots by forming a special fever Rapid Response Team (consisting of II level officer from DDHS office, Entomologist, Block health supervisor, fogging team and Domestic Breeding Checkers) at the District and Block level as appropriately.

Implementing Department: Directorate of Public Health & Preventive Medicine

Recommended Outlay : Rec : 435.00 lakh ; Sanctioned: 435.0 lakh

Outcome :

- Better identification, management and prevention of mortality and morbidity due to fever
- Establishment of robust disease surveillance network from community to tertiary care level including Govt. and private institutions.

100) Creation of cGMP facility for Stem Cell Research and Treatment (Clinical Grade Production of Human Adult Stem Cells)

Objective of the Scheme:

- The project aims at establishing a cGMP facility for culturing clinical grade stem cells (which have the potential to alleviate certain diseases) for use in clinical therapy / Clinical trails.

Implementing Department: Directorate of Medical Education (through Stanley Hospital)

Recommended and sanctioned outlay : Rs.636.52 lakh ; Sanctioned: 636.52 lakh

Outcome:

- Clinical Grade Stem Cells lowers the risk of genetic / epigenetic alterations
- They are immune privileged with low expression of MHC-I making them safer for clinical translation.
- The stem cells cultured will be used as a putative biological tool for therapy of certain incurable and end-stage disease.

101) Clinical Trials – Use of Adult Stem Cells in patients with End-Stage Liver Disease

Objective of the Scheme:

- To demonstrate the safety and efficacy of MSCs (use of specific cells as cell therapy in regenerative medicine) administered through I.V injection in patients with End stage liver diseases.

Implementing Department: Directorate of Medical Education (through Stanley Hospital)

Recommended & Sanctioned Outlay : Recommended: 430.10 lakh ; Sanctioned: 430.10 lakh

Outcome :

- This would provide insights about treatment options for patients with end stage liver disease and enhance the quality of life of patients with liver diseases.

Higher Education Department

102) Design, Development and Implementation of unmanned Air vehicles for Disaster and Societal Applications.

Objective of the Scheme:

- To design, develop and implement Unmanned Aerial Vehicles in various societal applications and rescue operations by using the related technologies and research activities.

Outlay: Recommended Cost:Rs.2000.00 lakh, Sanctioned Cost: Rs.2000 lakhs

Implementing Department: Anna University

Outcome:

- The Unmanned Aerial Vehicles developed by Anna University has been implemented during the Chennai Floods in the year 2015 and Vardah cyclone during the year 2016.
- The Unmanned Aerial Vehicles have been used in various bandobust activities in Tamil Nadu.
- The Unmanned Aerial Vehicles have been implemented in Agriculture for crop monitoring and spraying pesticides.
- Unmanned Aerial Vehicle has been utilized by the Police Department of Tamilnadu, Commando force and special Task force for implementing in various factors.
- Anna University has developed Mobile Command and Control Station for implementing in various disaster risk factors and rescue operations. The same has been inaugurated by Tamil Nadu Chief Minister on January 12, 2018 and utilized in various applications.
- Anna University had participated in Republic Day Parade 2018 on behalf of Higher Education Department of Tamil Nadu. The developed models had been displayed in the Republic day parade and awarded by Tamil Nadu Governor for attaining second prize in the Republic Day Parade 2018.

103) Content and Language Integrated Learning (CLIL) to enhance Communication Skills.

Objective of the Scheme:

- To bring out the Communication Skills to students through Language for learning, learning process. Language needed to operate English and participation in learning process.

Outlay: Recommended Cost:Rs.62.40 lakh, Sanctioned Cost : Rs.62.40 lakh

Implementing Department: Tamil Nadu State Council for Higher Education

Outcome:

- Intellectual and analytical capability of students has increased
- Strengthen cognitive and general learning capabilities
- Enhanced learner's employment and career prospective
- Opportunity for higher order thinking skills in students

104) Improving the web access to the digitalised records of the Tamil Nadu Archives

Objective of the Scheme:

- The web access to the digitalized records of the Tamil Nadu Archives and disseminate the information of Archives Records to the world.

Outlay: Recommended Cost : RS.67.00 lakhs, Sanctioned Cost :Rs. 67.00 lakhs

Implementing Department: Commissionerate of Archives and Historical Research

Outcome:

- Enhancing storage capacity at Tamil Nadu Archives and hosting the digitized records in the Department website made it possible to access Archives records to researchers, policy makers, etc.,
- Helping to save time and reduce risk to produce original records to the users.

Highways and Minor Ports Department

105) Study on performance of Bituminous pavement laid over stabilised subbase

Objective of the Scheme:

- To withstand pavements for a longer period even during natural calamities
- Use of stabilized sub-base in pavement layers will help to reduce thickness of bituminous layer which results in reduced construction cost

Implementing Department: Highways Research Station

Project Cost: Recommended: Rs.263 lakh, Sanctioned: Rs.263 lakh

Outcome

- Helps to know the performance of bituminous laid over stabilised base which can withstand natural calamities also
- Essential on economic and natural resources point of view

106) Accident study for vulnerable road users

Objective of the Scheme:

- To study the cause and pattern of accidents, plight of the pedestrians, and their vulnerability to Road Traffic Accidents
- To study the conflicts between Pedestrians & Cyclist and Vehicles to reduce accidents

Implementing Department: Highways Research Station

Project Cost: Recommended: Rs.20.70 lakh, Sanctioned: Rs.20.70 lakh

Outcome

- Sites selected at 3 major cities viz. Chennai, Madurai and Coimbatore
- Helps to analyse the reasons/causative factors of accidents
- Helps in suggesting realistic prevention measures to reduce accidents
- Study on safety of vulnerable road users impacts the economy indirectly.

107) Bridge Instrumentation for Structural Health Monitoring System in Highways Department

Objective of the Scheme:

- To study the various structural components of the bridge (strain, displacement, rotation, acceleration) and other similar parameters periodically.
- To detect changes within the bridge structure which may indicate degradation over time.

Implementing Department: Highways Research Station

Project Cost: Recommended: Rs 65.00 Lakhs / Sanctioned: Rs 55.00 Lakhs

Outcome

- Lead to precautionary measure in respect of restricting the load, repair, rehabilitation, etc., there by prevention of further deterioration.
- Repairs to highways bridges shall be done well in advance, thereby avoiding reconstruction which will save budget estimate.

108) Study on Improving the CBR value of sub grade soil by adding quarry dust

Objective of the Scheme:

- To decide the thickness of the overlaying pavement layers to accommodate the heavy traffic plying on the road

Implementing Department: Highways Research Station

Project Cost: Recommended: 5.00 Lakhs, Sanctioned: 5.00 Lakhs

Outcome

- Reduction of pavement construction cost
- Minimization of requirement of natural resources for future use.

109) Study on the technology of long lasting pavement with aid of circular test track

Objective of the Scheme:

- To withstand infinite number of axle loads without any significant structural deterioration due to either fatigue cracking or rutting

Implementing Department: Highways Research Station,

Project Cost: Recommended: Rs 200.00 Lakhs / Sanctioned: Rs 195.00 Lakhs

Outcome

- Minimize the expenditure in laying roads.

110) Study on effect of Nano Clay in Bituminuous mixes

Objective of the Scheme:

- To improve the mechanical performance and durability of bituminous mixtures by nano clay modified bitumen.

Implementing Department: Highways & Research Station

Recommended outlay: Rs 4 lakhs,

Outcome

- Reduces surface defects and enhances the life of the pavement.

Home, Prohibition and Excise Department

111) Installation of Security Pole for Cell Phone and Ferrous Metal detection system in the prison.

Objective of the Scheme:

- In order to strengthen the prison security and add fillip to the efforts of prison administration to trace the cell phones inside the prisons, FG1 Security Pole and Ferrous Metal Equipment is proposed

Implementing Department: Inspector General of Prisons

Recommended and sanctioned outlay: Rs. 159.48 lakhs

Outcome:

- The Prison administration is armed with modern equipment to detect the cell phones inside the prison which is not always possible by manual / physical search.

112) Education Vans to Train the Society at their Door Step to handle Fires and Other Emergencies

Objective of the Scheme:

- Education vans duly provided with Projector, C.D. player and with certain teaching and equipment such as Fire Beaters, Life Jackets etc. to facilitate the officers involved in Fire Prevention activities to reach nook and corner of the villages and educate them properly to handle fire and other emergencies and to have a pool of well-trained persons in each village.

Implementing Department: Directorate of Tamil Nadu Fire and Rescue Services

Recommended outlay and sanctioned outlay: Rs. 100.00 lakhs

Outcome:

- Educate the society at the door step to handle fire and other emergencies.

113) Introduction of Video Synopsis software and Post Video Analytical Software

Objective of the Scheme:

- Video analytical software is the real time analysis of video for immediate detection of events of interest.
- Analysis of pre-recorded video for the purpose of extracting events and data from the recorded video.

Implementing Department: Director General of Police

Recommended outlay and sanctioned outlay: Rs. 63.92 lakhs

Outcome:

- It is used to support the Police Department in Law enforcement, traffic regulation, crime prevention, post data analysis etc., for Salem city.

114) Purchase of 13 Digital High Frequency Radio with data modem for coastal districts

Objective of the Scheme:

- The present VHF communication for intra district communication which is vulnerable during natural disaster.
- The Analog communication is prone to heavy noise during day time and thus hampering the regular usage of HF communication. The Digital based HF communication can be instantly installed and will functions totally noise free.

Implementing Department: Director General of Police, Chennai

Recommended outlay and sanctioned outlay: Rs. 76.44 lakhs

Outcome:

- *Digital HF Radios with Data Modem for the Coastal districts such as Chennai, Thiruvallur, Kancheepuram, Villupuram, Cuddalore, Nagapattinam, Tanjavur, Tiruvarur, Pudukottai, Ramanathapuram, Thoothukudi, Tirunelveli and Kanniyakumari as emergency backup communication.*

115) Establishment of Vehicle Fitness Testing Centres in Tamil Nadu:

Objective of the Scheme:

- In order to dispense traditional method of manual testing procedure, the modern Vehicle Inspection and Testing Centre is proposed.

Implementing Department: Commissionerate of Transport

Recommended outlay: Rs.21.00 lakhs

Outcome:

- Improves the quality of testing system and reduce the accidents.

Note: This project was sanctioned during 2016-17 at an outlay of Rs.21.00 lakhs. Since the amount sanctioned was not enough to meet out the proposal, the same was surrendered to the Government account for the year 2016-17. (Ref. R.No. 59621/B3/2014, Dated:10.11.2017, The Commissioner, Transport Department)

116) Establishment of concrete tiles manufacturing unit using copper slag as a substitute of sand at Central prison, Palayamkottai in Tirunelveli District

Objective of the Scheme:

- To establish a Concrete tiles manufacturing unit at Central Prison, Palayamkottai by utilizing the copper slag, a waste material obtained from Copper Industries as a substitute of sand.

Implementing Department: Tamil Nadu Police Housing Corporation

Recommended outlay and sanctioned outlay: Rs.48.00 lakhs

Outcome:

- Conservation of Natural Resources (sand) by using copper slag as a substitute of sand for tiles manufacture

117) Creation of Mobile Device Forensic Division in Forensic Sciences Department, Chennai

Objective of the Scheme:

- A proliferation of phone particularly smart phones on the consumer market caused a demand for forensic examination of the device, which could not be met by existing computer Forensic techniques. To have effective control over the crime and criminals and also to book the criminals, this Mobile Device Forensic Division is proposed.

Implementing Department: Forensic Sciences Department

Recommended outlay and sanctioned outlay: Rs. 25.50 lakhs.

Outcome:

- To address the issue of crime detection including women harassment.

118) Purchase of 5 specially designed Vehicles for rescue works during inundation

Objective of the Scheme:

- Specially designed Vehicles for rescue works during inundation to rescue the people under challenging conditions.

Implementing Department: Tamil Nadu Fire and Rescue Services

Recommended outlay Rs.127.50 lakhs / Sanctioned outlay: Rs.119.00 lakhs only

Outcome:

- Safe transportation of rescued victims.

119) “mPassport” Police APP

Objective of the Scheme

- “mPassport Police App” for speedy submission of Police Verification Report (PVR) i.e., ascertaining the applicant’s identity, citizenship and absence of criminal antecedents. Using this “mPassport” Police App, the field level verification officers can directly capture the Police Verification (PV) report into the system digitally and there is no need of printing of personal particulars form and questionnaire, resulting in paperless end-to-end digital flow of the PV process.

Implementing Department: Director General of Police

Recommended outlay and sanctioned outlay: Rs. 291.57 lakhs

Outcome:

- Reducing the time for completion of PVR, within the desired time limit of 21 days.
- Resulting in paperless end to end digital flow.

120) Mobile Data Terminal for all Highway Patrol vehicles in cities

Objective of the Scheme:

- It is a computerised rugged device with GIS Solutions and various features for enhancing the productivity of Patrol Vehicles through Computer Aided Dispatch and GIS Solutions. It is an alternate solution to the Conventional GPS tracking device.

Implementing Department: Director General of Police

Recommended outlay and sanctioned outlay: Rs.133.90 lakhs

Outcome:

- Control room will be able to track the movements of all MDT fitted patrol vehicles.
- Photos, videos and Audios about the incident can be uploaded to the control room for further review.

121) Establishment of Computer Forensic Division

Objective of the Scheme:

- The process of examination of digital evidences has both personnel as well as equipment problem. The present scenario that the examinations of Digital Evidence relating to crime are gaining foremost importance.
- To take up the examination of digital evidences related to crimes in Central & Western Region, with an aim of investigation within a reasonable time frame, it is proposed to establish a separate “Computer Forensic Division” in the Regional Forensic Laboratory at Coimbatore.

Implementing Department: Forensic Sciences Department

Recommended outlay and sanctioned outlay: Rs. 54.00 lakhs

Outcome:

- *Complete the investigation within a reasonable time frame.*

122) Establishment of paver block manufacturing unit using M/s. TANMAG, Salem waste material at central prison campus, Salem

Objective of the Scheme:

- Natural resource (sand) used in the construction industry are depleting while at the same time the generated wastes from the industry are increasing substantially.
- Replacement of scarce and costly conventional building material (sand) by using waste generated in industries.

Implementing Department: Tamil Nadu Police Housing Corporation

Recommended outlay and sanctioned outlay: Rs. 14.28 lakhs

Outcome:

- Protection of depleting natural resources (sand)

123) Installation of Facial Recognition system for Secretariat

Objective of the Scheme:

- The project aims to identify and capture the anti-social elements and unauthorized entry inside Secretariat campus, Chennai.

Implementing Department : Director General of Police

Recommended outlay and sanctioned outlay: Rs.85.25 lakhs

Outcome:

- The cameras installed at the entry levels will be monitored at a control room. Further, at the control room with the help of the facial recognition software and employee database, it would be possible to distinguish the visitors.

124) Introduction of Electronic Key Management System in Puzhal Prisons

Objective of the Scheme:

- To introduce Electronic Key Management system in Prisons on pilot basis for replacing the existing conventional lock and key system with a modern key Management System.

Implementing Department: Prisons Department

Recommended outlay and sanctioned outlay: Recommended outlay Rs.86.03 lakhs, sanctioned outlay: Rs.82.32 lakhs)

Outcome:

- This system will have “mechatronic padlocks” with smart keys for efficient monitoring *through a Key Management System”*.

Housing and Urban Development Department

125) Research study on Economic Effects of Improving Sleeping among the Urban Poor in Tamil Nadu

Objective of the Scheme:

- The study aims to measure the impact of improved sleep on labour, their supply, productivity, and decision-making by providing sleep aid devices and simple home improvements, and a space for afternoon nap at work.
- To improve sleep among low-income individuals in Chennai, and will measure the economic and health impact of such improvements.
- The treatment groups will be provided (i) sleeping devices like mattresses, pillows, fans, eyeshades etc., and home improvements to counter noise, heat, light which interface with sleep. (ii) comfortable space for 30-minute afternoon nap at work.

Implementing Department: Tamil Nadu Slum Clearance Board, Chennai

Recommended Outlay and Sanctioned Outlay: Rs.258.08 lakhs.

Outcome:

- Improving sleeping conditions among the urban poor
- Improves productivity and earnings.

Information Technology Department

126) Development of Tamil Computing and Software

Objective of the Scheme:

- To develop application software and language tools for mobile phones
- To spread awareness about the use of Tamil mobile keypad, other keypads and input devices.

Implementing Department: Tamil Virtual Academy

Project Cost Recommended: Rs.250.00 lakh, Sanctioned: Rs.250.00 lakh

Outcome:

- Promotes use of Tamil in the mobile phones available in Tamil Nadu.
- Develops and supplies Tamil Software
- Develops and provides software for e-learning
- Digitization of books, documents, images inscription, audio and video

127) Digitisation and Cataloguing of Palm-Leaf manuscripts in Dr.U.V.Swaminatha Iyer, Library, Directorate of Indian Medicine & Homeopathy and International Institute of Tamil Studies

Objective of the Scheme:

- Digitisation of old manuscripts

Implementing Department - Tamil Virtual Academy

Project Cost: Recommended: 105.00 Lakhs, Sanctioned: 105.00 Lakhs

Outcome

- Documentation and archiving of Tamil language literatures, Tamil Culture and Medicinal Information.
- Digitized palm-leaf manuscripts were uploaded in Digital Archival Management System of TVA by developing new modules and extending the features of the system suitable for palm leaf manuscripts.

128) Tamil Text and Speech computing tools

Objective of the Scheme:

- To automatically check Tamil Grammar in digital devices.
- To aid visually challenged persons to read and write with ease.

Implementing Department - Tamil Virtual Academy

Project Cost - Recommended: Rs.70.04 Lakhs, Sanctioned: Rs. 70.04 Lakhs

Outcome

- Syllable-based Tamil speech recognition system
- HMM-based Tamil text-to-speech synthesis system
- To develop speech synthesis and recognition system
- Examination aid
- Screen reader
- Scanned document reader
- Typing aid

129) Providing Free Public WiFi services in Public Places

Objective of the Scheme:

- To provide Internet Services to public

Implementing Department - Tamil Nadu Arasu Cable TV Corporation

Project Cost - Recommended: 850.00 Lakhs, Sanctioned: 850.00 Lakhs

Outcome

- Common people of Tamil Nadu to access the internet services at no cost, reaching all segments of the population

130) Sentence Patterns, Structures and Rules in Tamil for Machine Translation

Objective of the Scheme:

- Translating big articles, reports etc., from English to Tamil easily by the machine translation and Tamil computing field, for academic and service

Implementing Department - Tamil Virtual Academy

Project Cost :Recommended: 72.72 Lakhs, Sanctioned: 72.72 Lakhs

Outcome

- Developing Tamil sentence structures and patterns, rules, usages etc as found in English to map in more ways to Machine Translation and Tamil Computing field.

131) Unified Content Management System and Portal Framework for Government of Tamil Nadu

Objective of the Scheme:

- Easy access of correct and unified data from web contents of various departments.
- Standardize the content framework and citizen interface as per prescribed Guidelines and standards.

Implementing Department - Tamil Nadu e-Governance Agency

Project Cost: Recommended: 81.50 Lakhs, Sanctioned: 81.50 Lakhs

Outcome

- Managing the portals by the User departments in a better way
- Facilitate a uniform method of dissemination of Governmental Information for the benefit of Citizen.

Labour and Employment Department

132) “Legal Metrology Complaint Tracking System (LMCTS)”

Objective of the Scheme:

- *Developing a mobile based application linked with departmental portal online with SMS provisions. Create awareness with consumers by providing tools and easy access to reach out to the Department.*

Implementing Department: Commissionerate of Labour Department

Recommended Cost:Rs.26.30 lakhs, Sanctioned Cost: Rs.26.30 lakhs

Outcome:

- Easy and convenient mode of information service. Improvement in Government-to-Citizen (D2C) interfaces.
- Reduces the time to Government employees spend on data activities, thus releasing more of their time for value added, service-related activities.

133) “Virtual Class Rooms in Government ITIs in Hill Areas”

Objective of the Scheme:

- Workshop for the development of user manual to be used by the teachers handling virtual classroom facility,

Implementing Department: Directorate of Employment and Training

Recommended Cost:Rs.80.00 lakhs, Sanctioned Cost: Rs.80.00 lakhs

Outcome:

- Government ITIs can give coaching through virtual class Rooms and impart training to students.

134) “Simulator based welder Training” in Government ITIs

Objective of the Scheme:

- Simulator based welding, to create an attractive way-in to technical profession for girls as well, directing a steady supply of potential talent towards welding in the long term.

Implementing Department: Employment and Training Department

Recommended Cost:Rs.258.98 lakhsSanctioned Cost: Rs. 258.98 lakhs

Outcome:

- 23 Government ITIs getMachineries to train students.
- Teaching skill upgradation

135) “Establishment of Virtual Learning System”

Objective of the Scheme:

- To set up a centralised training centre with web based teaching and learning materials (virtual learning system) to unemployed youth and students.

Implementing Department: Directorate of Employment and Training

Recommended Cost:Rs.100.00 lakhs, Sanctioned Cost: Rs.100.00 lakhs

Outcome:

- To develop skills for students on virtual learning system through the design develop course content, e-book, video facility and host a repository of study materials for competitive examination both in Tamil & English.

Law Department

136) Understanding Your rights – Law (UYR LAW)

Objective of the Scheme:

- To create knowledge among the public, the legal content on the basic rights and opportunities envisaged by the Indian Constitution.

Implementing Department: Directorate of Legal Studies, Tamil Nadu

Recommended Cost:Rs.71.52 lakhs, Sanctioned Cost:Rs.29.80 lakhs

(In the G.O.Ms.No.549, Law Dept., dated 30.11.2016, sanction restricted to Rs.29.80 lakhs for five modules only)

Outcome:

- Producing the following 5 documentary films in the CD format.
 - i) to create knowledge among the public, the legal content on the basic rights and opportunities envisaged by the Indian Constitution.
 - ii) to create awareness on sexual harassment against women at work places.
 - lii) to conserve the welfare of the Senior Citizens.
 - iv) to create awareness on Right to Information Act.
 - v) Right Against detention and on Cyber Crimes.

Micro, Small and Medium Enterprises Department

137) Creation of Test facilities for LED lamps and Fitting

Objective of the Scheme:

- To create test facilities for LED lamps in Tamil Nadu
- To replace incandescent lamps

Implementing Department

Industries Commissioner & Director of Industries & Commerce

Recommended: Rs 535 Lakh , Sanctioned: Rs 535 Lakh

Outcome

- Ensuring quality certified LED lamps and modules in the market
- Accelerate the rollout of LED lamps in the state

138) International Co-operation and Investment Promotion

Objective of the Scheme:

- To tap investment prospects from global business community for setting up of industries in the MSME sector
- To support MSMEs by influx of capital and new technology in the demand driven areas for global competitiveness.

Implementing Department: Small Industries Development Corporation (SIDCO)

Recommended: Rs.100 lakh, Sanctioned: Rs.100 lakh

Outcome

- Helps to facilitate trade & economic co-operation and promote investment & technology transfer from partner countries for inclusive growth of MSMEs
- Disseminate information on holding meetings, seminars, trade exhibitions, fairs and similar events promoting possibilities of investment, joint-ventures
- Sponsor and promote visits of trade and industry missions between countries to set up new enterprises
- Provide assistance to SMEs of partner countries in all matters concerning trade and investment promotion from conceptualisation to commissioning.

139) Information communication technology solutions for SIDCO ease of doing business

Objective of the Scheme:

- To implement IT system for end to end automation for complete life cycle of business process for efficient and transparent working
- To enhance ease of doing business and improve investment climate for MSMEs

Implementing Department: Small Industries Development Corporation (SIDCO)

Recommended: Rs.44 lakh, Sanctioned: Rs.44 lakh

Outcome

- Enhancement of ease of doing business
- Faster delivery of services, improve satisfaction of client, prompt and transparent services
- Improvement investment climate in MSME sector by extending technology with all required information with industrial units/ entrepreneurs
- Enhancement of organisation capacity to be more productive.

140) Tamil Nadu Business Incubation Infrastructure Development Project

Objective of the Scheme:

- To reduce failure in setting up of new MSMEs especially start-ups
- To create an entrepreneurial ecosystem in manufacturing sector and entrepreneurship mode in higher education institutions for MSME/ startup growth

Implementing Department: Entrepreneur Development Innovation Institute

Recommended: Rs.2000 lakh (3 year project), Sanctioned: Rs 500 Lakh (1st year)

Outcome

- Setting up 10 incubators in Government colleges and through private enterprises
- Targeting Arts & Science Colleges and Polytechnics/ITIs whose students are likely entrepreneurs
- Creation of start-ups and direct job opportunities to thrust sectors

141) Sophisticated testing instrument for testing of Metal and Metallic products for Chemical Testing and Analytical Laboratory, Chennai and Regional Laboratory, Madurai.

Objective of the Scheme:

- To upgrade and modernise the existing testing facilities of Chemical Testing
- To establish Modern facilities for testing of chemical elements in steel rods, Structural steels, Cast iron, and alloys of steel, Aluminium, Copper and Nickel.

Implementing Department: Industries Commissioner and Director of Industries and Commerce

Recommended: Rs 90 Lakhs , Sanctioned: Rs 90 Lakhs

Outcome

- Advantage of testing sample in few minutes by Optical Emission Spectrometer (OES) supported with printout for the test results
- Identification of Chemical Elements present in metals and metallic products.

Municipal Administration and Water Supply Department

142) Providing cycle track, pedestrians walking Track and landscape garden arrangement at Anna Nagar link road, Race course I & II, Kela south uthira street and mela & north uthira street - Tiruchirapalli Corporation

Objective of the Scheme:

- Traditional Transport planning has focussed on improving road conditions for mechanized vehicles at the expense of pedestrians.
- The majority of the city people rely on cycling and walking to commute to work and get around the city every day. The number of road users has become manifold.
- Increasing the use of bicycles and the ease of walking is one of the most affordable and practical ways to reduce CO2 emissions

Implementing Department: Commissionerate of Municipal Administration, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.385.00 lakhs.

Outcome:

- Exclusive Cycle track consists of marked lanes, tracks, shoulders and paths designated for use by cyclists and from which motorized traffic is excluded.

143) Providing Heritage pathway from Railway junction and Periyar bus stand to Thirumalai Nayakkar Mahal connecting Meenakshi Amman Kovil in Madurai Corporation

Objective of the Scheme:

- Heritage walkway will give identification for the pilgrim about the Heritage locations
- Various service departments will not disturb the heritage walk area
- Urban Local Bodies will give more attention to preserve the heritage walkway
- Local people will maintain the aesthetic appearance of heritage walkway

Implementing Department: Commissionerate of Municipal Administration, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.400.00 lakhs.

Outcome:

- Conservation of historical sites, buildings and selected urban area of enhancing culture, quality of living condition of people and provide effective linkages.

144) Solid waste management - Generation of Enrich bio gas as an alternative fuel for the vehicles in Thoothukudi Corporation

Objective of the Scheme:

- To provide a techno-economic solution for the Solid Waste Management for Thoothukudi Municipal Corporation
- To find a better way in biomethanation of the available degradable Municipal Solid Waste as an alternate to the present solid waste and organic effluent management activity.

Implementing Department: Commissionerate of Municipal Administration, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.134.00 lakhs.

Outcome:

- Provide an alternate solution with the available degradable Municipal Solid Waste.
- Generation of enriched biogas as an alternative fuel for corporation vehicles.

145) Pilot project on conjunctive use of ground and surface water along rain water harvesting to ensure 24x7 drinking water supply in Lagampalayam Gram Panchayat of Nambiyur in Erode District

Objective of the Scheme:

- To ensure drinking water security in Lagampalayam one such Gram Panchayat in Nambiyur block in Erode District where drinking water supply is provided with surface and ground water sources and hence drinking water security has been assured with public participation.
- To provide sustainable drinking water supply, open defecation free, clean environment.
- To provide water supply arrangements for livestock and forest animals. To educate public on the importance of Rain Water Harvesting and insist them to make every household to have Roof Top Rain Water Harvesting Structure.
- To provide house service connection for every house and fixing of water meter for every house service connection.
- To create an awareness on sanitation.
- To ensure sustainable drinking water security.

Implementing Department: Tamil Nadu Water Supply and Drainage Board, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.99.00 lakhs.

Outcome:

- It will also be provided house service connection for every house and fixing of water meter for every house service connection.
- Awareness on sanitation will be created. Sustainable drinking water security will be achieved.

146) Study on linkages between sanitation and ground water quality in Namakkal District.

Objective of the Scheme:

- To develop a low cost sustainable on-site sanitation technology. The research project will generate a knowledge base to promote safe and sustainable fecal sludge management for small towns that depend heavily on on-site sanitation management practices to protect the ground water quality.
- To address the adverse impacts on water supply service delivery costs through the redundant necessitation of contaminated raw water treatments costs in the value chain of water supply.

Implementing Department:Commissionerate of Municipal Administration, Chennai.

Recommended Outlay and Sanctioned Outlay: Rs.30.00 lakhs.

Outcome:

- After installation of improved design septic tank, the concentrations of FC,TC,COD, Ammonia and Nitrate the soil moisture (leachate) will reduce considerably.
- The adverse impacts on public health and drinking water supply will be addressed.

Planning, Development and Special Initiatives Department

147) Electronic Mode of Data Collection at the Field

Objective of the Scheme:

- To modernise the department's activities with latest techniques, such as mode of mobile data collection rather than the obsolete conventional mode.

Implementing Department: Department of Evaluation and Applied Research

Recommended outlay and sanctioned outlay: Rs.7.88 lakhs.

Outcome:

- The voluminous data are easily captured in the electronic mode directly from the Field itself and reducing the time to feed the data in the system.

148) Panel Survey on Socio Economic Status of Elderly Population in Tamil Nadu

Objective of the Scheme:

- To understand the household socio-economic status of the elderly, their physical and financial dependency and their health status and access to the health care system and social protection schemes.

Implementing Department : Department of Economics and Statistics

Recommended outlay and sanctioned outlay:Rs.606.00 lakhs.

Outcome:

- It would create a panel of data set on socio-economic of status of elderly population to improve their status.

149) Operationalizing the first phase activities of the Data Analytical Unit

Objective of the Scheme:

- To provide data based inputs to affix policy making bodies to support effective policy making.
- To quicken decision making process using applications software and latest information technology tools.

Implementing Department: Department of Economics and Statistics

Recommended outlay and sanctioned outlay:Rs.428.66 lakhs.

Outcome:

- Provide data based inputs to Government for taking decisions on planning policy and improving service delivery.

150) Tamil Nadu Household Panel Survey

Objective of the Scheme:

- The survey is designed to capture dynamics of changes and transformation taking place in the economy and society with individuals and households as the reference point.
- It aims to understanding the socio-economic developments in the State.

Implementing Department: Department of Economics and Statistics

Recommended outlay and sanctioned outlay: Rs.390.00 lakhs.

Outcome:

- Provide timely information to policy makers and the public on socio-economic development.

151) Digitization and Retrieval Systems for historical data/ reports/publications.

Objective of the Scheme:

- With a objective to preserve the historical data, reports, publications in digital format, by scanning and digital imaging of physical documents, and to use them along with the current data for analytical purposes.

Implementing Department: Department of Economics and Statistics

Recommended outlay and sanctioned outlay: Rs.16.50 lakhs.

Outcome:

- The historical data, reports, publications etc. are being digitalised which could be utilised by various departments / agencies.

152) Dynamic Data Visualisation and interactive systems.

Objective of the Scheme:

- With a view to visualising the data collected by the field officers and its inferences for helping in keep dynamic mode between Head Quarters and Regional Offices.

Implementing Department: Department of Economics and Statistics

Recommended outlay and sanctioned outlay: Rs.47.50 lakhs.

Outcome:

- To review schemes, administration matters and to enable quick decision making.

153) Formation of Analytical and Publication Unit

Objective of the Scheme:

- To avoid delay in timely publication on monthly, quarterly, annually and quinquennial reports published by the Department of Economics and Statistics.

Implementing Department: Department of Economics and Statistics

Recommended outlay and sanctioned outlay:Rs.28.30 lakhs.

Outcome:

- The monthly, quarterly and annually reports will be published and released without delay so as to utilise the reports by other departments /researchers.

154) Strengthening the existing Library

Objective of the Scheme:

- To strengthen the existing library with the latest development and to facilitate the enhancement of knowledge.

Implementing Department : Department of Economics and Statistics

Recommended outlay and sanctioned outlay: Rs.3.00 lakhs.

Outcome :

- It will enhance the capacity of the officials of the department.

155) Capacity building and skill development in Advanced Statistical packages

Objective of the Scheme:

- To improve the infrastructure facilities of the Tamil Nadu State Statistical Training Institute run by the Department of Economics and Statistics for capacity building of the staff.

Implementing Department: Department of Economics and Statistics

Recommended outlay and sanctioned outlay: Rs. 73.52 lakhs.

Outcome

- By strengthening the Institute, the capacity of the staff in Data Processing, Data Analyzing and Data Management of the staff will be improved.

156) e-Evaluation System

Objective of the Scheme:

- With an objective to shifting its data collection from conventional method to the latest electronic mode and to develop a dedicated website.

Implementing Department: Department of Evaluation and Applied Research

Recommended outlay and sanctioned outlay: Rs.62.46 lakhs.

Outcome:

- This will enable direct access of data at the headquarters from the field for quick data retrieval and interpretation.

157) e-Evaluation System – Upgradation

Objective of the Scheme:

- This scheme has been proposed for upgradation of e-Evaluation System sanctioned under TANII in the 2016-17 (Round-I), with the following essential works for website and data based schedule collection.

Implementing Department: Department of Evaluation and Applied Research

Recommended outlay and sanctioned outlay:Rs.8.50 lakhs.

Out come

- Further upgradation of e-evaluation system.

Personnel and Administrative Reforms Department

158) Office Automation of Directorate of Vigilance and Anti Corruption Headquarters and Detachments

Objective of the Scheme:

- Office Automation of DVAC Headquarters and Detachments by developing new module with the state-of art IT solutions enabling all the detachments of DVAC located in the districts to update and access the database at Headquarters.

Implementing Department: Directorate of Vigilance and Anti-Corruption

Recommended outlay: Rs. 71.03 lakhs, sanctioned outlay Rs.70.80 lakhs

Outcome:

- *An initiative for speedy trial of pending cases*

159) Introduction of On line filing of appeals to the State Information Commission

Objective of the Scheme:

- *An online appeal system along with automation of the process will help in expeditious processing and also in keeping the appellants who intends to make second appeal in State Information Commission under RTI Act 2005.*

Implementing Department: Tamil Nadu Information Commission

Recommended outlay and sanctioned outlay: Recommended outlay Rs. 30.64 lakhs, Sanctioned outlay: Rs. 29.34 lakhs

Outcome:

- *Speeding up the process of disposal of the second appeals will be of great benefit to the people to approach the Commission.*

Public Department

160) Provision of Intelligent Door Lock System integrated with Hospitality Management System

Objective of the Scheme:

- To substitute the existing customary lock system with electronic lock and key system which is electronic approach.

Implementing Department: Tamil Nadu House, New Delhi.

Recommended outlay and sanctioned outlay:Rs.29.10 lakhs.

Outcome:

- *The customary lock and key system will be replaced with electronic lock system as functions in the Star Hotels.*

161) Provision of Air plus Coating Solution for Air Pollution Control

Objective of the Scheme:

- To improve Air quality in the suite/room of Additional Guest House of Tamil Nadu House, New Delhi which will bring down pollutant level from 44 to 17 in a trial coating made in Room No.101 of Additional Guest House.

Implementing Department: Tamil Nadu House, New Delhi.

Recommended outlay and sanctioned outlay:Rs.26.00 lakhs.

Outcome:

- *Air Pollutant level in the accommodation will be controlled.*

162) Installation of 4kWp Grid Tied PV Solar Power Plant and Networking of Desktop Computers (LAN)

Objective of the Scheme:

- To enhance the services provided to the Ex-Servicemen population in the State, in terms of speedy action.

Implementing Department: Department of Ex-Servicemen's Welfare.

Recommended outlay:Rs.4.00 lakhs.Sanctioned outlay Rs.1.94 lakhs

Outcome:

- Delay in services will be controlled since the letter / file correspondence from the District offices to Head Quarter for sanction / approval of grants are reduced.

163) Provision of Hospitality Kiosks at Vaigai Tamil Nadu Illam and Podhigai Tamil Nadu Illam

Objective of the Scheme:

- To improve the services to visiting guests.

Implementing Department: Tamil Nadu House, New Delhi.

Recommended outlay : Rs.9.00 lakhs.

Outcome:

- Various types of services such as location of Offices / Organisations in New Delhi, schedule of local Train / Buses, etc will be known by accessing the Hospitality kiosk.

164) Fleet Management System with Tracking & Navigation facility

Objective of the Scheme:

- Reduction in fuel cost and maintaining efficient running hours for the 22 vehicle being operated in Tamil Nadu House and to provide safety and efficient services to the guests improve / upgrade the services to visiting guests.

Implementing Department: Tamil Nadu House, New Delhi.

Recommended outlay : Rs.21.00 lakhs.

Outcome :

- The exact location of each of the 22 vehicles can be ascertained at any time and order for pickup and drop can be given electronically to the nearest driver. In addition, the nearest route to reach the destination can be ascertained through the navigation system which will be installed in the vehicles. The system will also give the condition of traffic in different routes thereby helping to optimise

165) Modernisation of Kitchen with modern Kitchen Equipment at Vaigai Tamil Nadu Illam

Objective of the Scheme:

- To improve the quality of food and hygiene, reduce human interface in cooking and efficient service to the visiting guests.

Implementing Department: Tamil Nadu House, New Delhi.

Recommended outlay : Rs.60.60 lakhs.

Outcome:

- The quality of food and hygiene make feel pleasant to the visiting guests.

166) Recreation facilities for Children and Guests at Vaigai Tamil Nadu Illam and Podhigai Tamil Nadu Illam Campus.

Objective of the Scheme:

- There is no Fitness Centre in Vaigai Tamil Nadu Illam. The fitness centre in Podhigai Tamil Nadu Illam is provided in a very small room which is meant for guests. There is no recreational facility of play area for children of staff and staying guests who visit Tamil Nadu House. This proposal is to install outdoor fitness equipment in both the premises of Tamil Nadu House.

Implementing Department: Tamil Nadu House, New Delhi.

Recommended outlay : Rs.22.50 lakhs.

Outcome :

- *The facilities will help to improve the health of the staying guests.*

Revenue and Disaster Management Department

167) Solar Roof Top SPV Plant (7 KW) at RDO Offices at Coonoor & Gudalur and Taluk Offices at Pandaloor & Kothagiri"

Objective of the Scheme:

- To install 7 KW Grid Interactive Solar Power Plant to feed the entire RDO Offices (Coonoor & Gudalur) and Taluk Offices (Pandalur & Kothagiri) Collectorate Buildings at The Nilgiris
- The cost towards battery backup is the major problem identified towards installation of Solar Plants that needs to be addressed by the Government Agency and is important enough to warrant an innovation.

Implementing Department: Commissioner of Revenue Administration

Recommended outlay and sanctioned outlay: Rs.28.00 lakhs

Outcome:

- *Reduction in Energy cost. Demonstration effect.*

168) Solar Roof Top SPV plant at the District collectorate building, Tuticorin

Objective of the Scheme:

- To install 100 KW Grid Interactive Solar Power Plant to feed the entire collectorate buildings at Tuticorin. The cost towards battery backup is the major problem identified towards installation of Solar Plants that needs to be addressed by the Government Agency and is important enough to warrant an innovation.

Implementing Department: Commissioner of Revenue Administration

Recommended outlay and sanctioned outlay: Rs.90.00 lakhs

Outcome:

- *Reduction in Energy cost. Demonstration effect.*

169) Modernisation of Photo Zinco Press

Objective of the Scheme:

- In order to functionalize the defunct Photo Zinco press, it is proposed to modernise the press. Reviving the defunct press by modernisation

Implementing Department: Commissioner of Survey and Settlement

Recommended outlay and sanctioned outlay: Rs. 100.00 lakhs

Outcome:

- The service attitude towards the public from the past years of experience of the Photo Zinco Press of Survey Department will revolutionize through the implementation of this project

170) Unmanned Aerial Vehicle Photogrammetric Mapping for Flood Preparedness in Tamil Nadu

Objective of the Scheme:

- An accurate picture of the water courses can be obtained through aerial imageries which will provide valuable inputs for identifying locations of dams, missing links of canals and possible opportunities for interlinking of water courses. UAV imagery, maps from photogrammetric software and flood simulation models present themselves as very valuable tools to survey and identify disaster-prone areas for a better understanding of flood risk.

Implementing Department: Commissioner of Revenue Administration

Recommended outlay and sanctioned outlay: Rs. 701.60 lakhs

Outcome:

- The images captured Using UAV will be pre-processed, stitched and converted into useful maps for further understanding of the situations of river basins and water courses to initiate flood mitigation measures.

171) Computerization of Land Acquisition Process

Objective of the Scheme:

- To develop a software application with online facility to cater the components of land acquisition process. Accordingly, the details of Lands to be acquired will be taken from Web Tamil Nilam application instead of using physical land records and output of the process. It will also have facility to track land acquisition cases under litigation during the acquisition as well as post acquisition including arbitration cases.

Implementing Department: Commissionerate of Land Administration

Recommended outlay and sanctioned outlay: Rs.113.00 lakhs

Outcome:

- Enable the state to create a database of lands acquired, its valuations, time taken to acquire etc. and this can be used to predict timelines for future acquisition possible elements of litigation etc.

Rural Development & Panchayat Raj Department

172) Introducing specialised designed Electronic Voting Machines in the conduct of Elections to Rural Local Bodies

Objective of the Scheme:

- To introduce the specially designed Electronic Voting Machines in Melpuram block of Kanyakumari District as a pilot project to overcome the problems of longer duration of manual counting of ballot papers.

Implementing Department: Directorate Rural Development & Panchayat Raj (for State Election Commission)

Recommended outlay and sanctioned outlay : Rs.40.29 lakhs.

(Voting Machines purchased from Bharat Electronics Limited, Bangalore at a cost of Rs.9500 per Control Unit (9500 x 94 = Rs.8.93 lakh) and Ballot Unit Rs.8000 per unit (8000 x 392 = Rs.31.36 lakhs) = Rs.40.29 lakh)

Outcome:

- The Electronic Voting Machines will be utilised in the Melpuram Panchayat Union, Kanyakumari District for ensuing local body elections on Pilot basis.

173) Establishment of Mobile Testing quality control Laboratories in five regional centres at Nagapatinam, Madurai, Tirunelveli, Erode and Thiruvallur

Objective of the Scheme:

- To strengthen the field level monitoring mechanism towards quality control in the works like Buildings, Roads and Cross Drainage Works including Bridges, Water Harvesting Structure, Water Supply Works, Drainage & Sanitary works.

Implementing Department: Directorate Rural Development & Panchayat Raj

Recommended outlay and sanctioned outlay: Rs.235 Lakhs

Outcome:

- The mobile Quality Control Labs are being effectively used by the field officials during execution of work.

School Education Department

174) Enhancing the quality of Vocational Education Stream in Higher Secondary Schools

Objective of the Scheme:

- The Scheme was recommended to conduct a rapid baseline study with the objective to make an assessment on the viability and relevance of Skill Development Courses to be offered in the schools.

Implementing Department: Directorate of School Education

Recommended Cost: Rs.23.25 Lakhs, Sanctioned Cost-Rs.23.25 Lakhs

Outcome

- The Project provides sufficient information to facilitate the creation of a comprehensive road map for the implementation of Skill Development in Tamil Nadu Schools to popularise Skill Development in Schools and to upgrade the curriculum and teacher training practices.

175) Construction of Bio-digest toilets in schools for creation of Eco friendly Green Schools

Objective of the Scheme:

- It is renewable energy and a big saver in power bills.

Implementing Department: Rashtriya Madyamik Shiksha Abiyan(RMSA)

Recommended Cost:Rs.21.78 lakhs, Sanctioned Cost- Rs.21.78 lakhs

Outcome

- It provides renewable, pollution free, self-reliant and reliable energy solution

176) Tamil Nadu Excels (TANEX)

Objective of the Scheme:

- To conduct classes for students at Higher Secondary level to increase more results and competent to get pass in national competitive examinations.

Implementing Department:Rashtriya Madyamik Shiksha Abiyan(RMSA)

Recommended Cost: Rs. 118.92 lakhs, Sanctioned Cost-Rs.118.92 lakhs

Outcome

- This Project creates awareness among the rural school children about national and international competitive examinations. It facilitates the students to compete at higher levels.

177) Early intervention centres for Children with Special Needs (CWSN)

Objective of the Scheme:

- To ensure every child with special needs is provided meaningful and quality education. A zero exclusion policy adopted.

Implementing Department: Sarva Shiksha Abhiyan

Recommended Cost: Rs 578.85 lakhs, Sanctioned Cost: Rs.578.85 lakhs

Outcome

- To mainstream all children with special needs in neighborhood schools. It includes guidance for sensory cognitive, emotional and social development including learning practice that helps to achieve education goals in future.

178) Setting up of Satellite Interactive Terminals for EDUSAT

Objective of the Scheme:

- It is satellite based Interactive narrow costing network. It has two-way video and two-way audio facility. It is capable of data transfer from teaching end to the remote classroom.

Implementing Department: Sarva Shiksha Abhiyan

Recommended Cost: Rs 397.62 lakhs, Sanctioned Cost- Rs.338.40 lakhs

Outcome

- This will cover almost all blocks in the State to make teaching learning activities through Satellite interactive mode in Tamil Nadu in a better way.

179) Installation of Electrical Incinerators in all 518 Girls' Government High and Higher Secondary Schools

Objective of the Scheme:

- The Incinerator incinerates wastes like soiled cloth, cotton waste, sanitary napkins, paper towels etc. This converts ash and other nonhazardous residues in a user friendly manner.

Implementing Department : Rashtriya Madyamik Shiksha Abhiyan (RMSA)

Recommended cost: Rs 46.60 lakhs, Sanctioned Cost- Rs.46.60 lakhs

Outcome:

- The heating in the incinerator is done through heating elements which are designed work on low watt density thus ensuring long life of heating elements. The waste get converted into ash and other non hazardous residues

180) Construction of Bio-Digest Toilet in Model Schools in 13 Districts.

Objective of the Scheme:

- To make environment of the schools free from unpleasant odours emitted from conventional toilets and free from solid waste.

Implementing Department: Rashtriya Madyamik Shiksha Abiyan(RMSA)

Recommended cost-Rs 37.44 lakhs / Sanctioned Cost- Rs.37.44 lakhs

Outcome

- It requires less maintenance and environmental friendly. It provides alternative to flush toilets. A composting toilet is a dry toilet that uses a predominantly aerobic processing system that treats excreta typically with no water

181) Transformation of Toilets into Child friendly

Objective of the Scheme:

- The usage of toilets by children at school level still remain as a greater challenge due to unattractive ambience, lack of child friendly adoption & design and poorly maintained.

Implementing Department: Directorate of Elementary Education

Recommended cost:Rs 171.00 lakhs / Sanctioned Cost- Rs.59.00 lakhs

Outcome

- To increase the usage of toilets by enhancing the ambience and also inculcate health and hygienic habits among school children.

182) Strengthening of value education by establishing story corner in Primary Schools.

Objective of the Scheme:

- Emphasis on academics by both parents and schools and negative influence of media necessitate to nurture values consciously among children through various stages.

Implementing Department: Directorate of Elementary Education

Recommended cost:Rs 121.75 lakhs / Sanctioned Cost- Rs.121.75 lakhs

Outcome

- The capacity to listen, patience, endurance, cooperation, team work, positive attitude towards study, work, and life are the hallmarks of a good student/ of a person. So values in fact promote both academic & human excellence. 555 teachers are proposed to be imparted above training.

183) Provision to enhance “Project Based Learning”

Objective of the Scheme:

- The learning is to move away from memory based rote learning system to analytical-critical enabled system by providing a platform in which children learn higher order thinking skills, enquiry process by doing projects based learning at middle school level among teachers and students.

Implementing Department : Directorate of Elementary Education

Recommended cost-Rs 154.00 lakhs / Sanctioned Cost-Rs.154.00 lakhs

Outcome

- This will enhance the learning skills by learning Science concepts with better understanding through teachers’ assistance and to acquire processes like raising questions, predictions, planning and carrying out investigations, interpreting and making inferences, observing, measuring and communication to develop scientific attitude and temperament.

184) Setting up of smart class using all in one ICT Technology in Select Schools

Objective of the Scheme:

- Smart class using all in one ICT (Information and Communication Technologies) Tech in Select Schools.

Implementing Department: Directorate of School Education

Recommended cost- Rs 64.06 lakhs / Sanctioned Cost- Rs 64.00 lakhs

Outcome

- Smart class using all in one ICT (Information and Communication Technologies) Tech in Select Schools in Tamil Nadu would make students update their skills of learning with latest technology

185) Upgradation of Model Adult Education Centres (MAEC) in Krishnagiri & Tiruppur districts

Objective of the Scheme:

- Helps in improving the grasping capacity of the learners. Motivate the Adults to succeed in the next level of learning. Ensure quality non formal adult education.

Implementing Department: Directorate of Non Formal & Adult Education

Recommended cost- Rs 25.00 lakhs / Sanctioned Cost- Rs 25.00 lakhs

Outcome:

- To impart basic financial and functional literacy to adults in the age group of 15 years and beyond. Within the targets, the scheme primarily focus on women, SC, ST, Minorities, other disadvantaged groups and adolescents in rural areas in low literacy district.

186) Enhancing Learning through Image Recognition Application (IRA) Technology

Objective of the Scheme:

- To enhance learning through Image Recognition Application (IRA) Technology

Implementing Department: State Council of Educational Research and Training

Recommended cost- Rs. 453.60 lakhs / Sanctioned Cost- Rs. 315.00 lakhs

Outcome:

- To implement the scheme on enhancing learning through multi media content and image recognition and application technology.

187) Orientation of Teachers handling virtual classrooms

Objective of the Scheme:

- To impart orientation training to Teachers to handle virtual classrooms

Implementing Department: State Council of Educational Research and Training

Recommended cost- Rs 21.82 lakhs / Sanctioned Cost- Rs 21.82 lakhs

Outcome:

- It is a latest teaching methodology to describe subjects particularly science concepts and definitions. The virtual class rooms makes students to acquire all new concepts in an easiest way.

188) Phonetics Training in communication English

Objective of the Scheme:

- To impart training to speak English

Implementing Department: State Council of Educational Research and Training

Recommended cost- Rs 88.20 lakhs, Sanctioned Cost- Rs 88.20 lakhs

Outcome:

- Helping Government School students to speak English easily by imparting training phonetics.

189) Training of Teacher on the use of Free and Open Source Software (FOSS)

Objective of the Scheme:

- Training to teachers on phonetic and instructional strategies for handling English medium sections

Implementing Department: State Council of Educational Research and Training

Recommended cost- Rs 36.21 lakhs / _Sanctioned Cost- Rs 36.21 lakhs

Outcome:

- Phonetics Training helps to teachers to handle English medium sections

190) Development of CCE Worksheets/Modules to improve reading, writing and Comprehension skills in School Education.

Objective of the Scheme:

- To improve reading, writing and Comprehension skills in School Children.

Implementing Department: State Council of Educational Research and Training

Recommended cost- Rs 48.06 lakhs / Sanctioned Cost- Rs 48.06 lakhs

Outcome:

- Development of continuous and comprehensive Education (CCE) Worksheets/Modules and to address the learning gaps in understanding concepts and language skills of students from class I to Xth standard.

191) Production of accessible reading content for persons with print disabilities in Anna Centenary Library.

Objective of the Scheme::

- To increase the availability of accessible reading resource in the formats (DAISY)/e Pub Text, audio, text and audio) for the people with print disability.

Implementing Department: Directorate of Public Libraries

Recommended cost- Rs 60.00 lakhs /_Sanctioned Cost- Rs 60.00 lakhs

Outcome:

- Non availability of reading contents for persons with print disabilities like visual impairment, severe locomotor impairment and learning disability to the differently abled people.

192) Union Catalogue for Public Libraries in Tamil Nadu

Objective of the Scheme:

- To create a unified catalogue for 32 district centre libraries, Anna Centenary Library and other Government Aided Libraries in Tamil Nadu.

Implementing Department: Directorate of Public Libraries

Recommended cost- Rs 59.00 lakhs /_Sanctioned Cost- Rs 59.00 lakhs

Outcome:

- *Correcting and standardizing existing catalogue entries and combining them into a unified online catalogue system and disseminate the information to researchers, teachers, writers in the world.*

193) Formation of Smart class room in Selected Schools in two Districts Cuddalore and Thoothukudi.

Objective of the Scheme:

- *To expose the teachers and students to the world of technology and to enhance teaching learning process through ICT*

Implementing Department: Sarva Shiksha Abhiyan

Recommended cost: Rs 1213.90 lakhs._G.O. awaited.

Outcome:

- *Students in Government schools deprived of using technology due to lack of resource and there is less awareness among the teachers and the students integrating technology in the teaching learning process. It has been planned to form smart class room by providing LCD projector, tablet for teachers, students work books, practice books, assessment sheets to selected schools in 2 Districts.*

Social Welfare and Nutritious Meal Programme Department

194) Improving school preparedness and child health outcome through Integrated Child Development Services Scheme

Objective of the Scheme:

- This project aims to study the nutrition and preschool education practices in 700 anganwadi centres spread across selected districts in Tamil Nadu. The study identified key interventions in nutrition, early childhood education and human resource organisation that have potential to improve the quality of services provided at Anganwadi centres. (This involves Evaluation and Intervention components)- (Outlay combined with Sl.no.196)

Recommended Outlay: Total cost Rs. 956.57 lakhs, Sanc: Evaluation cost for M/s J-PAL – Rs. 542.00 lakh & Intervention cost by ICDS – Rs.414.57 lakh) (see details at Sl.No.196.)

195) ISO Certification, Grading and Accreditation of 128 Anganwadi Centres

Objective of the Scheme:

- To improve the quality standards in service provision in AWCs.
- To get ISO Grading and Accreditation of AWCs, by remodelling the existing AWCs into a child friendly and educative space both inside and outside.
- Four Anganwadi centres in each of the 32 districts totalling to 128 have been selected for the process of getting ISO Grading and Accreditation

Implementing Department: Integrated Child Development Services, Chennai

Recommended Outlay: Rec: Rs. 32.80 lakh ; Sanc: Rs.32.80 lakh

- *Outcome: Ensure better standards of health and nutrition care in the AWCs.*

196) Strengthening of Anganwadi Centres as Vibrant Early Child Development Centres on Pilot basis across 700 Anganwadi Centres in 4 districts (Intervention component of Improving school preparedness and child health outcome through ICDS scheme)

Objective of the Scheme:

- To reposition the Anganwadi centre as a vibrant Early Child Development Centre for early learning and to provide awareness about developmentally appropriate early childhood interventions.
- Strengthening the Management Information Systems.
- Addressing the existing Nutritional Gap in Moderately undernourished and Severely undernourished children by providing additional nutritional supplements

- Addressing the off task activities (social interaction) of the AWW which were more than ECCE activities in AWCs by providing preschool readiness materials and ECCE facilitator exclusively for the ECCE activities.
- Motivating/Rewarding the AWW with performance-linked bonuses based on their performance on reducing under-nutrition.

Implementing Department: Integrated Child Development Services& J- PAL

Recommended & Sanctioned Outlay: Total cost Rs. 956.57 lakhs, Sanc: Evaluation cost for M/s J-PAL – Rs. 542.00 lakh & Intervention cost by ICDS – Rs.414.57 lakh)

(This 3 years project has been merged with School Preparedness project sanctioned under TANII 2015-16 (see details at Sl.No.194.)

Outcome:

- *The services rendered by AWC will be improved in terms of Health, Nutrition and Education.*

197) Creation of Community Help Desk and Development of Multi-Dimensional Communication Tools

Objective of the Scheme:

- The project aims to create a community help desk at district level (32 districts) and one in Head office to facilitate and monitor the activities at the district level and create awareness through a multi dimensional / multi faceted communication strategy in order to reach children, women and Senior citizens in the remotest areas in the districts using technological solutions. This will act as a platform to redress their grievances then and there.

Implementing Department: Department of Social Welfare & NMP

Recommended & Sanctioned Outlay: Rec: Rs.100.00 lakh; Sanction: Rs.99.25 lakh

Outcome:

- This system will enable the public in general, beneficiaries and victims (who do not know where and how to access the required information relating to their issues) to get their grievances redressed quickly.

198) Administration of Pneumonia vaccine to elderly persons in Senior Citizens Homes and Integrated Complexes run by NGOs with State and Central Grants

Objective of the Scheme:

- Adult immunization is important as the effect of the vaccines taken during childhood wears off after a few years. During winter, cases of influenza, flu and pneumonia will be on the rise and affect the senior citizens who are more vulnerable. The aim of the project is to administer vaccine PREVNAR 13 to the elders who are given care and protection in the Old Age Homes and Integrated Complexes functioning in the State.

Implementing Department: Department of Social Welfare & NMP

Recommended & Sanctioned Outlay: Rec: Rs.165.32 Lakh & Sanc: Rs.165.32 Lakh

Outcome:

- Administration of Vaccination at the right time will prevent death of many elderly persons who are affected by pneumonia diseases.

199) Introduction of Fortified Rice in PTMGRNMP and ICDS in 10 districts on pilot basis

The scheme was sanctioned in 2017-18 (Round –II), for an outlay of Rs. 606.99 lakhs however due to cost variation, the recommended scheme was withdrawn by the Department and resubmitted in 2018-19 (Round-1) for sanction for Rs.529.25 lakhs & Recommended by SPC as shown in Sl.No.202

200) Creation of Community Help Desk and Development of Multi-Dimensional Communication Tools

Objective of the Scheme:

- This project was earlier approved under TANII 2017-2018 (Round I) for Rs.99.25 lakh to undertake activities such as Baseline study and selected communication activities in 16 districts initially in the State subject to incorporating the monitoring and evaluation components in the proposal to study the impact of communication strategy proposed under the project. Hence, additional funds of Rs.94.75 lakhs was sought under TANII 2017-2018 (Round II) for creation of community help desk and development of multi-dimensional communication in second phase for the remaining 16 districts and also to do the Midline and Endline outcome studies.

Implementing Department : Department of Social Welfare & NMP

Recommended & Sanctioned Outlay : Rec: Rs.94.75 lakh ; Sanc: Rs.94.75 lakh

Outcome:

- This system will enable the public in general, beneficiaries and victims (who do not know where and how to access the required information relating to their issues) to get their grievances redressed quickly.

201) Online Tab based socio economic screening in field for flagship scheme

Objective of the Scheme:

- The aim of the project is to provide necessary equipment such as Tab, high speed internet connectivity etc. for the use of the Mukhya Seviga (MS) & Grama Seviga(GS) (who are field functionaries) to process the online applications for the flagship schemes, which are implemented through electronic service delivery under e-governance.

Implementing Department: Department of Social Welfare & NMP

Recommended Outlay : Rs.252.37 lakhs

Outcome:

- Avoidance of delay in achieving the targets.
- Validation of information given by the beneficiary through online tab processing.

202) Introduction of Iron Fortified Rice in Puratchi Thalaivar M.G.R. Nutrition Meal Programme and ICDS in the State of Tamil Nadu.

Objective of the Scheme:

- Food fortification has been found to be an efficient and cost effective way to deliver micro nutrients. This project aims to bring down Anaemia and increase micronutrient intake among children on a daily basis by introducing fortified Rice for the children under ICDS and P.T.M.G.R Nutritious Meal Programme in 5 districts of the State (Dharmapuri, Thoothukudi, The Nilgiris, Thanjavur and Madurai) with the know-how provided by World Food Programme.

Implementing Department: Directorate of Social Welfare & NMP (PI ref. sl.no.199)

Recommended Outlay: Rs.529.25 lakhs

Outcome:

- *Reduction of Anaemic rate and chronic malnutrition among children.*

Tourism, Culture & Hindu Religious Endowment Department

203) Digitalisation and e-publication

Objective of the Scheme:

- *To digitalisation and e-publication*

Implementing Department: Commissionerate of Museums

Recommended Cost:Rs.5.00 lakhs, Sanctioned Cost:Rs.5.00 lakhs

Outcome:

- *Uploading e-publication in web portal to copy, decipher, read, edit and inscriptions and publish in book form.*

204) Publication of Epigraph Book

Objective of the Scheme:

- *Epigraphy books will certainly beneficial to Scholars, Students, teachers and research scholars in the field of Tamil, Sanskrit, Archaeology and temple study.*

Implementing Department: Commissionerate of Archaeology

Recommended Cost:Rs.11.50 Lakhs, Sanctioned Cost: Rs.11.50 lakhs

Outcome:

- *Epigraphy books are beneficial to Archaeology, History Students, Research scholars in the field of temple study and the general public.*

205) Publication of Epigraphy books titles Tamil Nadu inscription Volume – IX, X, XI, & XII

Objective of the Scheme:

- *The Epigraphy books are beneficial to Archaeology, History Students, Research Scholars in the field of temple study and the general public.*

Implementing Department:Department of Archaeology

Recommended Cost:Rs.10.00 lakhs, Sanctioned Cost:Rs.10.00 lakhs

Outcome:

- *For the publication of books on Epigraphy(Tamil Nadu Inscription Vol-VIII) and Students Monographs*

206) Preserving Heritage Buildings, Light & Sound show in Dhanuskodi

Objective of the Scheme:

- *Conservation and Re-interpretation of Dhanuskodi the cultural and Natural heritage by preserving the heritage buildings/ruins.*

Implementing Department: Department of Tourism

Recommended Cost: Rs.150.06 Lakhs / Sanctioned : Rs.150.06 lakhs

Outcome:

- The heritage ruins will be preserved as it is which will facilitate in reviving the narrative of Dhanushkodi Town as it existed in the past. This project will be minimal intervention to prevent/stop further destruction of heritage and a step towards development of responsible tourism.(Note:Letter has been received from the Principal Secretary to Government, Tourism department vide letter No:15227/T3/2015-12 Dated 09.02.2017, stating that this project has been cancelled and a new project along with detailed project report may be forwarded to SPC.)

207) Publication of Epigraphy book titled Tamil Nadu Inscription Vol-XIII and Ten Students Monographs

Objective of the Scheme:

- Inscriptions are one of the main primary source to rewrite the Political, Socio-Economic history of any country or land.
- Worldwide people can also come to know through this publication in the website, and to improve the Tourism in India

Implementing Department: Department of Archaeology, T.N.

Recommended Cost: Rs.12.00 Lakhs / Sanctioned Cost : Rs.12.00 Lakhs

Outcome:

- To publish the selected inscriptions as a book on “Tamil Nadu Inscriptions Vol – XIII.
- These inscriptions are beneficial to Archaeology and History students, research scholars and the common public alike.
- Worldwide people can also come to know through this publication in the website, and to improve the Tourism in India,

208) Making a VR 3D Virtual Museum with selected 100 Antiquities which were collected from explorations and excavations carried out the Department of Archaeology on the two-year basis (pilot project).

Objective of the Scheme:

- The valuable antiquities that have been unearthed from excavations and explorations have been preserved and exhibited for the benefit of the scholars, researchers and the general public in 14 archaeological site museums situated in various districts of the State.

Implementing Department: Department of Archaeology, T.N.

Recommended Cost: Rs.20.00 lakhs / Sanctioned Cost : Rs.20.00 Lakhs

Outcome:

- This project is planned with selected 100 antiquities by initially scanning in three dimensional with accurate measurements and textures and then showcases it in 3D environmental virtual space with integrated Virtual Reality Features Augment Reality plays a vital role in the digital platform to bring the amazing experience of feeling that being in that place.

209) Installation of Floor Projection Mapping as a first step in the Archaeological Site Museum, Rajarajan Site Museum, Thanjavur District as an innovative initiative to increase the footfall and to entertain and educate the children's and general public.

Objective of the Scheme:

- To entertain and educate the Children's and general public in an interactive way Floor Projection Mapping Platform may be installed in Site Museums.
- It is proposed to install the floor projection mapping technology in the Rajarajan Site Museum, of Thanjavur District.

Implementing Department: Department of Archaeology, T.N.

Recommended Cost:Rs.15.00 lakhs, Sanctioned Cost : Rs.15.00 Lakhs.

Outcome:

- *To entertain and educate the Children's and general public in an interactive way Floor Projection Mapping Platform may be installed in Site Museums*

210) Installation of Floor Projection Mapping in the Children's Museum, Government Museum, Chennai as an innovative to increase the footfall and to educate the children and general public

Objective of the Scheme:

- To increase the footfall and bring the repeated audiences through the amazing experiences.
- To educate the visitors by providing supplementary displayed artifacts.

Implementing Department: Department of Museum

Recommended Cost: Rs.10.00 Lakhs.

Outcome

- It will increase the footfall and also to educate the visitors by providing supplementary displayed artifacts and definitely increase the revenue of the museum

211) Establishment of Social Media Engagement, Content, Development and Creation of Videos, Branding of Museums and Celebrity Marketing

Objective of the Scheme:

- The Envisaged modus to increase the footfall.
- Brand the Chennai Museum as a must visit place to all tourists.

Implementing Department: Department of Museum

Recommended Cost : Rs.10.00 Lakhs.

Outcome

- Providing required digital contents on various aspects of the collections to attract crowd and Tourists

212) Making a VR 3D Virtual Museum with select 50 unique antiquities of Numismatics which has been housed in the Government Museum, Chennai

Objective of the Scheme:

- Digitizing the antiquities like Numismatics

Implementing Department: Department of Museum

Recommended Cost: Rs.10.00 Lakhs.

Outcome

- Providing required digital contents on various aspects of Numismaticsto attract crowd and Tourists.

213) Making interactive Touch Screen Presentation to engage the visitors in the Numismatics, Philately and Bronze icons Galleries of the Government Museum, Chennai

Objective of the Scheme:

- *Making Interactive Touch Screen Presentation for Numismatics, Philately and Bronze icons Galleries*

Implementing Department: Department of Museum

Recommended Cost: Rs.10.00 Lakhs.

Outcome

- *Providing required digital contents on various aspects of the collections to attract andengage the visitors in the Numismatics, Philately and Bronze icons Galleries of the Government Museum*

214) Making interactive Touch Screen presentation to engage the visitors in the Pre History, Geology, Civilization and Science and Technology Galleries of the Government Museum, Chennai

Objective of the Scheme:

- The Envisaged modus to increase the footfall.
- Brand the Chennai Museum as a must visit place to all tourists.

Implementing Department: Department of Museum

Recommended Cost: Rs.10.00 Lakhs.

Outcome

- Providing required digital contents on various aspects of the collections to attract and engage the visitors in the pre History, Geology, Civilization and Science and Technology Centres of the Government Museum

215) Making a VR 3D Virtual Museum with select 50 unique antiquities of Anthropology which has been housed in the Government Museum, Chennai

Objective of the Scheme:

- To preserve the Anthropology reserve collection, particularly Gold Jewelleries and Diadems of Aadichanallur preserved in the Museum.
- Digitizing the antiquities like Gold Jewelleries and Diadems

Implementing Department: Department of Museum

Recommended Cost: Rs.10.00 Lakhs.

Outcome

- Providing required digital contents on various aspects of the collections Gold Jewelleries and Diadems and upscaling the project in future by stalling the hardware components with the integrated VR virtual museum in the public places like airports, railway stations, malls to increase the revenue of the museum Department.

Welfare of Differently Abled Persons Department

216) Newborn screening programme for hearing loss in babies at Chennai and Sivagangai Districts.

Objective of the Scheme:

- The prevalence of hearing loss is very high in Tamil Nadu. The scheme is to screen and identify hearing loss in babies as young as 6 months of age and transfer them to early diagnostic centers for detailed and differential diagnosis and then to intervene the child with appropriate prosthesis followed habilitation as young as 12 months of age. It is proposed to screen 20,000 new born babies in a year so as to integrate them in mainstream schools before the age of 5 years. While screening, the babies will also be screened for other developmental delays and suspected babies will be provided with appropriate intervention. The scheme is proposed for two districts viz., Chennai and Sivagangai as pilot project.

Implementing Department: State Commissionerate for the Welfare of Differently Abled

Recommended & Sanctioned Outlay: Rec: Rs.436.42 lakh ; Sanc: Rs.436.42 lakhs

Outcome :

- Identifying hearing impairment and treating in its early stages will help the child to gain speech and language skills comparable to his /her normal hearing peers.

217) Augmentative and Alternative Communication system for persons affected by Cerebral Palsy (AAVAAZ)

Objective of the Scheme:

- AAVAAZ is a tool that allows children with speech and language disabilities to communicate using pictures and artificial speech. To address the needs of intellectually challenged (persons affected with Cerebral palsy) particularly to facilitate communication and education, a hitech device namely an ipad with software AVAZ to facilitate speech and communication has been developed. AAVAAZ system will be distributed among the service providing agencies viz., Govt. Special schools, Govt aided special schools, Early Intervention Centers, Mobile Therapy units for 416, intellectually challenged persons. AAVAAZ training is available in English, Tamil and Hindi. The service providing agencies will be given training in the use of AAVAAZ system.

Implementing Department: State Commissionerate for the Welfare of Differently Abled

Recommended & Sanctioned Outlay : Rec: Rs.100.09 lakh ; Sanction: Rs.106.46 lakh (sanction increased by Rs.6.37 lakhs)

Outcome:

- The AAVAAZ device will help the intellectually challenged persons, particularly persons affected with Autism, Cerebral palsy, Down syndrome etc. to communicate easily.

218) Mobility Assistance Appliance for persons affected by Muscular Dystrophy

Objective of the Scheme:

- The project aims to supply battery operated wheel chair for 1000 persons who are affected with muscular dystrophy which will enable them for independent mobility.

Implementing Department: State Commissionerate for the Welfare of Differently Abled

Recommended & Sanctioned Outlay: Rec: Rs.650.00 lakh ; Sanc: Rs.650.00 lakh

Outcome:

- Persons affected by Muscular Dystrophy who depend others for their mobility will be able to move independently.

219) Training Aid for Psychomotor Coordination to Home for the Adult with Mental Retardation

Objective of the Scheme:

- The project aims for specially designed training aids to develop adaptive work related behavior in persons with Mental Retardation. It also aims to develop physical and sensory skills necessary for employment to persons with MR and to sensitize persons with MR to gain work experience in typical work environments. The Navajyothi trust institute for MR will conduct training programmes for the Master trainers drawn from 42 homes.

Implementing Department: State Commissionerate for the Welfare of Differently Abled

Recommended & Sanctioned Outlay : Rec: Rs.13.00 lakh ; Sanc: Rs.13.00 lakh

Outcome :

- Persons with mental retardation who lack physical and sensory skills will get better employment opportunities.

220) Process Innovation in terms of provision of access to information and communication to persons with Visual impairment

Objective of the Scheme:

- The project aims to make the physical environment accessible and undertake measures to provide access to information and communication for Visual impairment and low vision persons by supplying Index Basic D Braille embosser.

*Implementing Department: State Commissionerate for the Welfare of Differently Abled
Recommended & Sanctioned Outlay : Rec: Rs.6.30 lakh ; Sanc: Rs.6.30 lakh*

Outcome :

- Visual impairment and low vision persons who do not have physical environment accessible for access to information and communication will get benefitted.

221) Early Intervention Services to children with disabilities through Community Based Approach and Home Based Approach with use of TABLET

Objective of the Scheme:

- Early intervention center can provide treatment only for 16-20 children with disabilities per day. It is also very difficult to carry a child in the bus, when there is time bound transport system in the rural areas. This project aims to cover more number of children through “Community based approach” and “Home based approach” by deploying a special software which helps better administration. The mothers are trained by Community Rehabilitation workers (CRW). The CRWs are provided with a custom made “TABLET” application called mVBRI developed by “Amar Seva Sangam”, Tirunelveli to facilitate communication with rehabilitation specialists located remotely so that EI therapy could be provided at home and remote centers.

*Implementing Department: State Commissionerate for the Welfare of Differently Abled
Recommended & Sanctioned Outlay: Rec: Rs.12.48 lakh ; Sanc: Rs.12.48 lakh*

Outcome:

- Disabled children friendly treatment aspect, proactive monitoring system and effective e-administration.

222) Evaluation and Intervention of Special Children coming under the purview of Welfare of Differently Abled Persons

Objective of the Scheme :

- Micro nutrient deficiency exists among the children with disabilities. The project aims to address the issue of micronutrient deficiency among the children with disabilities studying in Government Special schools and facilitate career guidance among high school students through IQ assessment which would help the special children for their better life.

*Implementing Department: State Commissionerate for the Welfare of Differently Abled
Recommended & Sanctioned Outlay : Rec: Rs.11.00 lakh ; Sanc: Rs.11.00 lakh*

Outcome :

- *This project would give proper career guidance for the children with special needs thereby they can lead a better life.*

223) Providing Electric Scooters for the Differently Abled Persons

Objective of the Scheme :

- The project aims to provide 20 Electric scooters (unit cost – Rs.18,500/-) to both lower limb affected students, self employed persons and persons employed in the private sector instead of Retrofitted Petrol Scooters (Rs.58,840/-) as a pilot project in Chennai and Kancheepuram districts.

Implementing Department: State Commissionerate for the Welfare of Differently Abled

Recommended Outlay: Rs.3.70 lakh.

Outcome :

- *Electric Scooters help for a pollution free environment and would also reduce fuel cost.*

224) Development and operation of a dedicated web portal for streamlining philanthropy, employment generation and grievance redressal for the disabled persons

Objective of the Scheme :

- To establish a forum to link the Companies / Organisations who want to provide/ donate funds under CSR (Corporate Social Responsibility) or as philanthropic activity to the needy organizations which work for the welfare of the disabled.
- To establish a forum where disabled job seekers can be linked with job providers.
- To establish a web portal where the disabled can file their complaint online and can also track the status of the complaint online.

Implementing Department: State Commissionerate for the Welfare of Differently Abled

Recommended Outlay: Rs.24.98 lakhs.

Outcome :

- Channelising the funds provided by the private sector for the welfare of disabled
- Employment generation for the disabled
- Grievance Redressal

Youth Welfare & Sports Development Department

225) Establishing High Altitude Training Centre with World Class facilities at Ooty

Objective of the Scheme:

- *Establishing an High Altitude Training Centre with World Class facilities*

Recommended outlay : Rs. 500 .00 lakh, Sanctioned Outlay : Rs.500 .00 lakh

Implementing Department: Sports Development Authority of Tamil Nadu

Outcome:

- *High Altitude Training Centre with World Class facilities to make candidates to take part in national and international level*

226) Tamil Nadu State Weight Lifting Centre of Excellence at Sathuvachari, Vellore

Objective of the Scheme:

- *Establishment of Weight Lifting Centre of Excellence to encourage eligible candidates to avail latest facilities*

Recommended outlay : Rs.245.00 lakh, Sanctioned Outlay : Rs.245.00 lakh

Implementing Department: Sports Development Authority of India

Outcome:

- *To encourage eligible candidates for weight lifting as a sports to take part in national and international level. Helping the participants to get boarding & lodging facilities in Weight Lifting Centres.*

227) Integrated Sports Science Centre at Madurai

Objective of the Scheme:

- *Sports science center to deliberate the importance of sports*

Recommended outlay : Rs.500.00 lakh, Sanctioned Outlay : Rs.500.00 lakh

Implementing Department: Sports Development Authority of Tamil Nadu

Outcome:

- *Sports science centre to deliberate the importance of sports. Encouraging Sports Persons to continue sports activities and preventing drug abusing, curing, rehabilitation and bring back the sports persons fit to participate in the competitions.*

228) Introducing simulator training to cadets to enhance their quality of training for handling of aircraft, vehicle and weapon.

Objective of the Scheme:

- To introduce Simulator training to cadets to enhance their quality of training with much interest and enthusiasm prior to their actual handling of an aircraft, vehicle or a weapon.

Implementing Department: National Cadet Corps

Recommended outlay : Rs.85.00 lakh

Outcome:

- Helping the cadets to get real time training before handling actual Air-Craft and Weapons. NCC Cadet Air Force Wing secured 1st place in the National level NCC camp competition at Jodhpur in Rajasthan.

229) Establishing Language Laboratory for improving english speaking skills of the National Cadet Corps from rural areas

Objective of the Scheme:

- To establish an English Language Laboratory for training of cadets

Recommended outlay : Rs.15.00 lakh, Sanctioned Outlay : Rs.15.00 lakh

Implementing Department: Directorate of National Cadet Corps.

Outcome:

- English Language Laboratory for training of cadets at NCC Training Academy, Madurai helps to speak English and take part in the National and International level competition.

230) SDAT Sailing Academy and Centre of Excellence in Sailing and Rowing at Chennai

Objective of the Scheme:

- The proposed Academy go a long way in identifying talented boys/girls and training them in sailing so that they bring laurels not only to the state but to the Nation as a whole. The proposed site has a location advantage as it is abutting the Asia's longest beach i.e. Marina abutting and Chennai Port Trust. It also has other advantages in terms of access to sea via Covum River mouth, required draft at landing site etc. The Government of Tamil Nadu in association with SDAT has also extended assistance to sailors in terms of procuring and making available dinghy boats to sailors in the past.

Recommended outlay : Rs.700.00 lakh, Sanctioned Outlay: Rs.700.00 lakh

Implementing Department: Sport Development Authority of Tamil Nadu

Outcome:

- This Academy with the facilities proposed will offer “International Standard Training” to sailors not only from Tamil Nadu but also from other places and will help in the long run in improving tally of medals for the State of Tamil Nadu as well as for the Nation.

231) Establishing e-Library Centre in Tamil Nadu Physical Education and Sports University Campus

Objective of the Scheme:

- Several Departments are functioning in Tamil Nadu Physical Education and Sports University, which offers Post Graduation and Doctoral level Programme. Every year faculties and students are searching for quality and updated resources for their teaching practices and for project/thesis work. As of now the quality research journal articles(full text) access are restricted only for subscribers. Hence they are facing problem in accessing the quality journals for their day to day work. So to provide a solution for the above said problem. This University central Library has initiated this project to establish E-Library centre in University Campus.

Recommended outlay : Rs.251.00 lakh, Sanctioned Outlay : Rs.251.00 lakh

Implementing Department: Tamil Nadu Physical Education and Sports University

Outcome:

- The students are facing problem in accessing the quality journals for their day to day work. This university central library has initiated this project to establish e-library centre in University campus

232) “Artificial Rock Climbing set up at NCC Training Academy”, Idiyapatti

Objective of the Scheme:

- Rock Climbing is an exciting and challenging activity and provides an excellent environment for building leadership, Self-confidence and teamwork skills
- Provision of Artificial Rock Climbing set up at NCC Training Academy will give a handful of experience to Cadets for climbing rock before they are put into real rock climbing camps.

Recommended outlay : Rs.30.00 lakh, Sanctioned Outlay : Rs.30.00 lakh

Implementing Department: Directorate of National Cadet Corps, Chennai

Outcome:

- Establishing Artificial Rock Climbing set up at NCC Training Academy, Idiyapatti Village have the following advantages:
- Rock Climbing experience at local place

- Improves the endurance of the NCC Cadets
- First-hand experience to adventure sports.

233) “Rowing Simulators for NCC Cadets Training ”

Objective of the Scheme:

- Making the youth confident ,committed and competent in all walks of life
- To enhance quality of taining with much interested and enthusiasum prior to their actual handling of boat

Recommended outlay : Rs.30.00 lakh, Sanctioned Outlay : Rs.30.00 lakh

Implementing Department: Directorate of National Cadet Corps, Chennai

Outcome:

- *It is essential for training of Naval Wing NCC cadets and help to handlesophisticated equipments.*

234) “Centre of Excellence in Sports Biomechanics”

Objective of the Scheme:

- Centre of excellence in Sports Biomechanics would be useful in assessing the novice to elite Sports Persons performance and producing International Medal Winners.
- Sports persons seeking performance assessment with regard to biomechanical parameters which is not addressed anywhere in India
- It would serve as the State of the art Centre where the athletes can be assessed in their performance and correction of technique if any,

Recommended outlay : Rs.1312.20 lakh, Sanctioned Outlay: Rs.1000.00 lakh

Implementing Department: Tamil Nadu Physical Education and Sports University

Outcome:

- Sports persons seeking performance assessment with regard to biomechanical parameters which is not addressed anywhere in India
- It would serve as the State of the art Centre where the athletes can be assessed in their performance and correction of technique if any,

235) Establishment for Portable Bio Toilets for use of NCC cadets during camps

Objective of the Scheme:

- *To Establish Portable Bio Toilets*

Recommended outlay : Rs.20.00 lakhs.

Implementing Department: Directorate of National Cadet Corps

Outcome:

- *Portable Bio Toilets would help all cadets to make use it any training places where there is an inadequate facility for toilet to students.*

236) "Mobile based Tournament Operating System

Objective of the Scheme:

- *To develop Mobile based Tournament Operating System*

Recommended outlay : Rs. 33.00 lakhs.

Implementing Department: Sports Development Authority of Tamil Nadu

Outcome:

- *Mobile based Tournament Operating System help to conduct tournaments in easy way and helps Sports Persons to get instant information by SMS.*

237) "Pedagogy Laboratory for Teaching, Testing and Training in Physical Education

Objective of the Scheme:

- *To impart Physical Education through Pedagogy Laboratory for Teaching, Testing and Training.*

Recommended outlay : Rs.22.05 lakhs.

Implementing Department: Tamil Nadu Physical Education and Sports University

Outcome:

- *To improve Pedagogy Laboratory for Teaching, Testing and Training in Physical Education to encourage physical education teachers to impart in the Modern Technology.*

238) Traditional Kalari and Silambam Training Centre

Objective of the Scheme:

- *To encourage and protect Traditional Kalaripayattu and Silambam art.*

Recommended outlay : Rs.160.00 lakhs.

Implementing Department: Tamil Nadu Physical Education and Sports University

Outcome:

- *To encourage indigenous martial arts Traditional Kalaripayattu and Silambam Training Centre to all students particularly Physical Education Teachers.*

Chapter V: Awareness, Capacity Building, Evaluation, Documentation and Awards

The State Innovation Fund has a provision of utilising 5 per cent every year for the purpose of Awareness Building, Capacity Building, Evaluation, Documentation and Awards for the Innovations.

a. In cases where the State Planning Commission finds that the innovation proposed by any agency is fundamentally sound, but the scheme requires to be better formulated and structured, the State Planning Commission would provide such assistance either through its own staff or engage a suitable consultant to provide such assistance. In engaging such external consultants, the Transparency in Tenders Act, 1998 and the Transparency in Tenders Rules, 2000 would be followed. Based on the requirement of such assistance, the State Planning Commission may also empanel consultants who may be engaged for such assistance.

b. In the following cases, a detailed impact evaluation of the innovative schemes would be taken up:

i. Cases where the State Planning Commission is of the view that such an evaluation is required to be done;

ii. Cases of impact evaluation approved by the State Steering Committee under the Memorandum of Understanding with J-PAL (G.O. Ms No. 81, Planning, Development and Special Initiatives (ST2 & E) Department, Dated: 2.9.2014)

iii. Cases where the scheme is proposed to be implemented in association with an NGO.

Out of this fund, any unutilised balance at the end of the year would be transferred back to the Fund account for accumulation and carry over into the subsequent year. However, such unutilised balances would not be available for use for capacity building, documentation etc., in the subsequent year, as the permissible expenditure on these items would be limited to 5 per cent of the budget provision of that particular year.

EVIDENCE BASED POLICY MAKING – ANNOUNCEMENT MADE BY HON’BLE CM UNDER RULE 110 BEING IMPLEMENTED UNDER STATE INNOVATION FUND

The Hon’ble Chief Minister made an announcement under rule 110 in the Legislative Assembly on 08.08.2014 stating that, evidence based policy making is an important element in effective governance. Accordingly, orders were issued in the G.O. Ms.No.81, PD&SI (ST2&E) Department, dated 02.09.2014 to enter into a Memorandum of Understanding with the Abdul Latif Jameel Poverty Action Lab, South Asia (JPSA) to institutionalize and evidence based approach to policy making in order to maximize the impact of the anti-poverty programmes and the MoU was signed on 19.11.2014. The key elements of the MoU are i) Policy dialogue, ii) Evaluation Projects, iii) Capacity Building, iv) Monitoring and Evaluation Needs Assessment, v) Evaluation Guidelines, vi) Capacity Building Workshops and vii) Technical Assistance on Monitoring Systems.

As per the orders issued in the G.O. referred above, there are two committees viz., i) Steering Committee under the Chairmanship of Chief Secretary to approve the new Pilot Programmes & Evaluations and ii) Advisory Committee to provide Ongoing oversight & Feedback. So far four Steering Committee meetings and Ten Advisory Committee meetings were held till March 2018. The State Government’s commitment will be met within the budget allocation of the concerned departments for ongoing schemes or projects or from the Innovation component (Part-II) TANII or from the SBGF available with the State Planning Commission.
