

## **Tamil Nadu Innovation Initiative (TANII)**

### **Minutes of the State Planning Commission on the appraisal of the innovative proposals 2018-19 (Second Round) 2<sup>nd</sup> Phase held on 11.12.2018.**

(i) The second round proposal for assistance under TANII for the year 2018-19 has been conducted in two phases. The 1<sup>st</sup> phase was conducted on 28.11.2018 and 14 proposals for a sum of Rs.1723.02 lakhs have been recommended for assistance under TANII. The second phase of appraisal meeting was conducted on 11.12.2018 for appraisal of 35 proposals before State Planning Commission which including 8 Table Agenda.

(ii) The details of decision / recommendation of the State Planning Commission are as follows:

#### **Health and Family Welfare Department**

The Health and Family Welfare Department presented eighteen proposals including one Table Agenda of the Departments of Medical and Rural Health Services, Indian Medicine and Homoeopathy, Medical Education (King Institute of Preventive Medicine), National Health Mission and Public Health and Preventive Medicine for funding under TANII. The proposal wise recommendations of the State Planning Commission are furnished below:

##### **Department of Medical and Rural Health Services**

The Director of Medical and Rural Health Services explained about the following proposals:

#### **1) Establishment of Arthroscopic services in 3 secondary Care Hospitals.**

This is a one-year project at a cost of Rs.167.25 lakhs. It has been proposed to have Arthroscopic services in 3 best performing Government Hospitals (Cuddalore, Omalur & Myladuthurai hospitals) under the control of DMRHS on pilot basis, as there is an increase in number of Orthopaedic problems due to enormous changes in life style, mode of transport and work pattern, for which funding under TANII has been sought for the purchase of machineries and equipments. (Rs.55.75 lakhs x 3 hospitals).

After having discussion, the State Planning Commission **has recommended** to establish one Arthroscopic Centre only at Cuddalore at a cost **Rs.55.75 lakhs only**.

**2) Establishment of Hi-Tech Otto Rhino Laryngology Out Patient Department in Secondary Care Hospitals.**

This is a one year project for Rs.50.00 lakhs. It has been proposed to establish Hi-Tech Otto Rhino Laryngology outpatient department in 5 best performing Hospitals (Thiruvotriyur, Arupukkottai, Mettur Dam, Krishnagiri and Tirupathur hospitals) under the control of DMRHS on pilot basis, as there has been increased instance of ENT malfunction among the growing children, in 5 Secondary Care Hospitals at a cost of Rs.50.00 lakhs (Rs.10.00 lakhs x 5 hospitals).

After having discussion, the State Planning Commission **has recommended** for funding under TANII for establishing Hi-Tech Otto Rhino Laryngology OP department **in 3 district hospitals, viz., Arupukkottai, Mettur and Tirupathur**, each at Rs.10.00 lakhs. Hence, the recommended cost for the project is **Rs.30 lakhs only**.

**3) Establishment of Human Breast Milk Banks in 5 Secondary Care Hospitals.**

This is a one-year project at a cost of Rs.45.00 lakhs. This project proposes to establish Breast Milk Banks in 5 secondary care hospitals (Manapparai, Tirupathur, Karaikudi, Usilampatti, Mettur Dam) to improve the quality of MCH care and helps in bringing down IMR to a greater extent in the select districts.

After having discussion, the State Planning Commission **has recommended** this proposal for funding under TANII for **Rs.45.00 lakhs**.

Department of Indian Medicine and Homoeopathy

The Joint Director, Yoga & Naturopathy explained on the following proposals:

**4) Yoga & Naturopathy Life Style Clinics in 10 ESIC Hospitals.**

This is a one-year project at cost of Rs.67.62 lakhs. This proposal has been submitted in order to comply the announcement made by the Hon'ble Chief Minister of Tamil Nadu on 08.05.2013 in the floor of Legislative Assembly under rule 110 that to establish Yoga and Naturopathy lifestyle clinics in all Government Hospitals and Modern

Medical Colleges Hospitals. Initially it was proposed with a cost of Rs.212.38 lakhs with staff cost of Rs.152.388 lakhs. However, as per the decision made in the preliminary discussions (pre-TANII) with the Head of Department, 5% of staff cost worked out to Rs.7.62 lakhs ( 5% at Rs.152.388) and remaining staff cost is sought under State Fund. Hence, the revised project cost for assistance under TANII is Rs.67.62 lakhs.

However, after detailed discussion, the State Planning Commission **has accepted in principle**, subject to, only if the department has agreement with ESIC for the staff cost sharing. Out of total staff cost of Rs.152.38 lakhs, TANII commitment is Rs.7.62 lakhs and remaining Rs.144.77 lakhs has to be shared between ESIC and IM&H at 70% and 30% respectively.

**5) Yoga & Naturopathy Medical Centres (10 centres) in Central and Special Prisons.**

This is a one-year project at cost of Rs.67.62 lakhs. It has been proposed to start Yoga & Naturopathy Medical Centres in ten main central and special prisons in Tamil Nadu with necessary infrastructure and treatment facilities with a view to help people to shift unconscious behavioural patterns of reacting into conscious ways of responding by teaching individuals the skill of clearly witnessing their moment-to-moment experience.

After having discussion, the State Planning Commission **has not recommended** this proposal for funding under TANII. However, it was informed that, if required, submit the proposal through the beneficiary department.

Department of Medical Education (King Institute of Preventive Medicine)

**6) Potentiating effects of Zinc Nano particles in increasing the efficacy of Plumbago Zeylanica for breast cancer therapeutics.**

The project cost is Rs.102.51 lakhs for three years. The proposed study is to analyse the characterization of plumbagin conjugated zinc nano particle (PSNP) which could help to identify the gene encoding for oncogenesis. It is stated in the proposal that this study of nano therapy will open up vistas in conquering the disease cancer and bring 100% cure in cancer patient's identities at any of the four stages. The Director, King Institute of Preventive Medicine & Research has explained about this proposal.

After having discussion, the State Planning Commission **has not recommended** this proposal for funding under TANII. However, the State Planning Commission accepted the proposal in principle for funding on pilot basis, and it was suggested that the department may approach the ICMR / MGR Medical University for funding under Research Fund available with them. Further, the State Planning Commission also suggested the Department to increase the research budget to meet the requirement of the Institute. The King Institution should have a plan to setup a proper research fund. It is also accepted that any successful outcome or patent out of the research, would be funded.

#### National Health Mission

The Joint Director, National Health Mission explained the following proposals:

**7) Tamil Nadu Accident and Emergency Care Initiative – Establishment of Emergency department in 3 Medical College Hospitals on pilot basis.**

The project cost is Rs.854.00 lakhs. The Tamil Nadu Accident and Emergency Care Initiative (TAEI) aims to establish Emergency department (7 units) in 3 Medical College Hospitals viz., i) Govt. Rajaji Hospital, Madurai- 2 units, ii) Rajiv Gandhi Govt. General Hospital, Chennai-3 units and iii) Trichy Medical College Hospital, Trichy – 2 units with a view to provide right treatment to the right patient at the right time without any delay and thus reducing the deaths due to trauma and other emergencies.

After having detailed discussion, the State Planning Commission **has recommended** this proposal for funding under TANII for **Rs.854.00 lakhs** with no additional staff cost/ human resources. No new proposals for sanctioning of additional human resources will be entertained for this project.

**8) Tamil Nadu Accident and Emergency Care Initiative – Establishment of Center of Excellence for Burns at KMC with Skin Bank.**

The project cost is Rs.542.00 lakhs for one year. It is proposed to establish full-fledged burns unit with Skin Bank facility at Kilpauk Medical Hospital to ensure a State of Art Burns Intensive Care unit which includes 8 beds with separate cubicles having hepa filtered airflow and out flow, State of the Art Skin Bank, exclusive burns dressing room,

four operation theatres, Pathological and Microbiological Laboratory with all sophisticated instruments, etc.

During the discussion, the proposal **was withdrawn** by the Department as the department have other sources of funding to meet this expenditure.

**9) Tamil Nadu Accident and Emergency Care Initiative – Portable CT and Transport ventilator for Emergency Room.**

The project cost is Rs.796.00 lakhs for one year. It is proposed to have Transport Ventilator in 12 hospitals and a portable CT Scan in Rajiv Gandhi Govt. General Hospital and Tamil Nadu Accident and Emergency Care Initiative (TAEI) Center with an expected outcome that more trauma patients will be saved without delay.

After having discussion, the State Planning Commission **has recommended** this proposal for funding under TANII for Rs.796.00 lakhs with a view that this system is for new procedures of treatment.

**10) Establishment of Tele Psychiatry Services**

The cost of the project is Rs.33.05 lakhs for one year. It has been proposed to establish Tele Psychiatric Services to reduce the suicide and violence related death cases.

During the discussion, the proposal **was withdrawn by the Department** as this scheme could be implemented without any additional budget.

**11) Reduction of IMR – Salvaging preterm neonates.**

This is a one year project at a cost of Rs.401.48 lakhs. It has been stated that the Pneumococcal Conjugate Vaccine (PCV) is used since 2010 to protect against most strains of pneumococcal bacteria and it effectively prevents the disease upto 90 % of people who get immunized. Further, as per the 2017-18 data of TN SNCUs, 6360 babies have been admitted below 1.5 Kg out of which 3476 have been saved (54.65%). Hence, it has been proposed to strengthening the activities by administering Pneumococcal conjugate vaccine to preterm very low birth weight (VLBW) babies discharges from SNCUs.

After having discussion, the State Planning Commission **has recommended** this proposal for funding under TANII for **one year at Rs.401.48 lakhs** as this is for introduction of new protocol of vaccination, subject to acceptance of the Department of Public Health and Preventive Medicine to implement the scheme in the further years through Government of India funding or Drug Budget of the State. Further, it was instructed to ensure the sustainability of the scheme.

**12) Pilot project for use of Intrathecal Baclofen Pump for Spastic Children to reduce the Spasticity.**

The cost of project is Rs.100.00 lakhs for one year. It has been proposed with an objective to use Intrathecal Baclofen Pump for giving drugs to Spastic Children to reduce Spasticity without side effects like drowsiness. The Department of Neurosurgery at Tamil Nadu Government Multi Super Specialty Hospital at Omandurar Government Estate and Institute of Child Health will be augmented with facilities to perform Intrathecal Baclofen Pump. The cost of project is Rs.100.00 lakhs for performing 20 surgeries on pilot basis.

After having discussion, the State Planning Commission **has recommended** this proposal for funding under TANII for Rs.100.00 lakhs.

Department of Public Health and Preventive Medicine

The Director of Public Health and Preventive Medicine presented and explained on the following proposals:

**13) Establishment of Real Time Vaccine Tracking System (RVTS)**

The cost of project is Rs.272.40 for one year. It has been proposed for establishment of Real Time Vaccine Tracking System with an objective to design robust and easy to adopt IT system to consolidate all State Vaccine Stores, Regional Vaccine Stores, District Vaccine Stores, Block Primary Health Centers, Health Sub Centers, Vaccination Centers in one portal and Real Time Tracking of Vaccine right from origin to last point consumption by the beneficiary.

After having discussion, the State Planning Commission suggested to undertake a study on the Automation of Inventory System which should cover demand and supply of drugs, warehouse details as a comprehensive study through third party at a maximum of Rs.20.00 lakhs. It was instructed to send a modified proposal. The Department has to **rework the proposal accordingly and resubmit.**

**14) Establishing of Digital Communication Centre for Health Education at DPH Office, Chennai.**

This is a one year project at a cost of Rs.47.65 lakhs. This proposal with an objective to establish a Digital Communication Centre for Health Education” at the Directorate of Public Health and Preventive Medicine, as the Health Education is the foundation of a preventive health care system and one of the most cost-effective interventions. The Information, Education and Communication component plays a major role in the prevention and control of diseases.

After having discussion, the State Planning Commission **has recommended** this proposal for funding under TANII for Rs. 47.65 lakhs.

**15) Strengthening the surveillance of Acute Encephalitis Syndrome in District Public Health Laboratories, Medical College Hospitals and King Institute of Tamil Nadu.**

This is a three year project with an outlay of Rs.735.15 lakhs. Acute Encephalitis Syndrome (AES) is an epidemiological term used to describe Central Nervous System disease due to infectious causative organism. AES is a serious condition that needs critical care and it occurs as a sporadic case or in the form of outbreaks. It has been proposed to strengthen the surveillance for AES at two levels i.e. Screening of AES for JE and Non-JE cases at DPH labs and Medical College Hospitals. The samples will be referred to apex lab for confirmation by Molecular diagnosis.

After having discussion, the State Planning Commission **has recommended** this proposal for funding under TANII with the restricted outlay, with non-recurring cost as proposed and recurring cost for first year only. Hence, the recommended cost is **Rs.451.35 lakhs.** Second year onwards recurring cost should be met under NCD

Programme. Further, the State Planning Commission suggested to take up an impact study by the third party.

**16) Establishing Web based notification system for integrated Registry for Cancer notification under DPH in Tamil Nadu.**

This is a one year project at a cost of Rs.17.00 lakhs. Cancer is a compulsorily “Notifiable Disease” under Tamil Nadu Public Health Act 1939 and the Government in G.O.No.66, H&FW Department, dated 22.02.2018 mandates notification of cancer by Government and private institutions all over the State. In the background of the above, it has been proposed with an objective to develop a web module for collecting information on cancer cases from Government and Private Health Institutions as a part of existing web based disease notification system.

After having discussion, the State Planning Commission **has recommended** this proposal for funding under TANII for Rs.17.00 lakhs.

**17) Combating Mosquito menace by strengthening the web based communicable disease surveillance system with vector indices, water quality indices & climatic information in Tamil Nadu.**

This is a one year project at a cost of Rs.54.40 lakhs. This proposal as an addition of modules in the on-going project of Directorate of Public Health & Preventive Medicine titled “Web based epidemic prone infectious system notification for prevention and control of epidemics in 12 Corporations of Tamil Nadu for Rs.298.00 lakhs (sanctioned by SPC in 2016-17 under TANII Funds) is now proposed for funding under TANII 2018-19.

After having discussion, the State Planning Commission **has recommended** this proposal for funding under TANII for Rs.54.40 lakhs.

**Table Agenda:**

**18) Tamil Nadu Accident and Emergency Care Initiative – Point of Care testing (POCT) in Emergency Room (ER)**

This is a one year project at a cost of Rs.566.34 lakhs. It has been proposed to have a Point of Care Testing (POCT) designed to be used near the site where the patient



is located (at the bed side) and appropriate emergency treatment may be started accordingly without delay.

After having discussion, the State Planning Commission has recommended for funding under TANII for 25 centres out of 54 centres proposed, on pilot basis. Further, it was instructed that it should not be vendor driven. Accordingly, the **recommended cost estimated for 25 centres is Rs.277.50 lakhs.**

In recommended cases, the Department should follow the prevailing Government Procurement Rules and Tamil Nadu Transparency in Tenders Act, 1998, and Rules 2000.

### **School Education Department**

The School Education Department presented one proposal of the State Council of Educational Research & Training for funding under TANII. The recommendation of the State Planning Commission is as follows:

#### **State Council of Educational Research and Training (SCERT)**

The Principal Secretary to Government, School Education Department and the Director, SCERT explained about this proposal.

#### **19) Teacher Training Programme for Identification and Remedial Education for Specific Learning Disability to Tamil Nadu Government School Children and follow up mechanism of Orientation and SLD for all teacher in each block**

This is a one-year project for Rs.19.15 lakhs. The proposal on Teacher Training programme is to identify and help children with Specific Learning Disability (SLD) and to train them on Remedial Education by preparing Individualized Education Programme according to the student's Learning Disability.

The State Planning Commission has also suggested to work out a proposal for Screening of Learning Disability and Developmental programmes for them.

After having discussion, the State Planning Commission has **recommended** this proposal for assistance under TANII for Rs.19.15 lakhs.

In recommended cases, the Department should follow the prevailing Government Procurement Rules and Tamil Nadu Transparency in Tenders Act, 1998, and Rules 2000.

## **Co-operation, Food & Consumer Protection Department**

The Co-operation, Food & Consumer Protection Department presented one proposal of the Tamil Nadu Civil Supplies Corporation (TNCSC) for funding under TANII. The recommendation of the State Planning Commission is furnished below:

### **Tamil Nadu Civil Supplies Corporation (TNCSC)**

The Deputy Secretary to Government, CF&CP and the General Manager (Commercial), Tamil Nadu Civil Services Corporation explained on this proposal.

#### **20) Implementing GPS vehicle Tracking Systems with centralized control room.**

This is a two-year proposal for Rs.448.00 lakhs. The proposal is to monitor and track the movement of the essential commodities with complete networking from Centralised Control Room at Head Office of TNCSC.

During the discussion, the State Planning Commission suggested to have a contract agreement for GPS installed hiring vehicles and to specify about the system software compatibility specifications in the TOR. The hiring of vehicles with GPS facility needs to be included in the Tender condition and the Department should have a discussion with TNeGA also.

After having discussion, the State Planning Commission accepted to fund the integrated software cost on the Web Application to integrate with the GPS. Accordingly, **rework the cost and resubmit** the proposal after consulting with TNeGA.

## **Information Technology**

The Information Technology Department presented one proposal of Tamil Virtual Academy and seven proposals of Tamil Nadu e-Governance Agency as Table Agenda for funding under TANII. The proposal wise recommendations of the State Planning Commission are furnished below:

## Tamil Virtual Academy

The Secretary to Government, IT Department and Joint Director, TVA explained about this proposal.

### **21) Visualising the core concept of School Text Books in Tamil (6th to 12th Std. – Science and Mathematics)**

This is a two-year project for Rs.56.00 lakhs. The proposal is for development of educational content videos in Tamil for Science and Mathematics of classes VI to XII to understand the concepts in a simple manner through mother tongue.

After having discussion, the State Planning Commission suggested to resubmit the proposal jointly with SCERT since the core concept relates to the School Text Books. The project has to be **resubmitted** accordingly.

### **Table Agenda:**

#### Tamil Nadu e-Governance Agency

The Secretary to Government, IT Department and the Commissioner, e-Governance explained the following proposals of TNeGA:

### **22) Unified Service Portal using Single Sign-on & Unified Service Mobile App (AMMA APP)**

The total cost of the project is Rs.437.69 lakhs. The objective of the proposed software application is to bring in the entire gamut of life cycle of user management of various Government Units *under the Single Sign On Framework*. The content is to be owned and managed by the Information Technology Department for all Government Entities.

The State Planning Commission suggested that the TNeGA has to ensure all the services available in the Common Service Centres should be available at online.

After having discussions, the State Planning Commission accepted to fund three years only, for software development and software support cost. After three years, the Department should meet the expenditure on support cost etc., through fee base structure sources or some other sources on its own. The project has to be **reworked** accordingly and **resubmitted**.

### **23) Digi Archives (e-Archives) Web portal**

The total project cost is Rs.1687. 81 lakhs. The major objective of Digi Archives Web portal is to identify and formulate Meta Tags for Tamil Nadu Digi Archives Web Portal that can be shared across all the Stakeholders. It is proposed to scan remaining images and stored digitally. The cost estimate is indented to be implemented in 3 phases i.e. phase I – Meta Tag Creation, phase II – Scanning Government Orders, phase III cost of Digital Library centre.

The State Planning Commission has informed the TNeGA to submit the completed status of the documents which were already digitized.

After having discussions, the State Planning Commission accepted to fund the proposal in a comprehensive manner with the details of pending records to be digitized in Archives, requirements of Registration department, storage in hard media like micro filming and micro fishing, automatic creation of digital copy etc.

The proposal has to be **reworked accordingly and resubmitted** through Higher Education Department.

### **24) Know Your Government**

The total project cost is Rs.106.72 lakhs. The proposal is to provide the single window access to the information and services being provided by the Tamil Nadu State Government for the citizens and other stakeholders.

The State Planning Commission suggested that involving some major departments in the initial stage and the data sharing protocols should be followed. Safety and security of the individual's information must be taken care.

After having discussions, the State Planning Commission **recommended** the proposal for funding with a restricted outlay of Rs.100.00 lakhs. It was suggested that the data sharing protocol should be followed strictly on implementation.

### **25) Command and Control centre**

The total project cost is Rs.465.17 lakhs. The proposal Command & Control Centre is a place that is used to provide centralized monitoring, control, and command of

an organization's overall operations. It enables the real-time visibility and management of an entire task. A command & Control centre comprises of audio-visual setups.

After having discussions, the State Planning Commission **has not recommended** the proposal for funding under TANII since the land proposed for the scheme, has an issue with the Finance Department which needs to be sorted out.

## **26) Cloud Based Government Mail Server**

The total project cost is Rs.15000.00 lakhs. To create eMail account for all the employees working in various department Units as“@tn.gov.in” domain which visualizes to eradicate the practice of using e-mails provided by private vendors through which sensitive government information might get leaked. Through this project the state will step into major transformation to e-Governance.

The department wants to strengthen the existing server capacity, for which the department sought for funding under TANII.

After having discussions, the State Planning Commission **has not recommended** the proposal.

## **27) IT Garage**

The total cost of the project is Rs.467.80 lakhs. This project describes about the approach of providing a suite of Information Technology Infrastructure Managed Services to the Government Departments/organization. As Government aims to become more citizen-centric, a strong IT infrastructure will help the student community and startup companies to meet the expectations of today's tech-savvy citizens.

After having discussion, the State Planning Commission accepted to fund for maximum three years only for the components of infrastructure and Hardware as a pilot. The TNeGA has to bear other costs. The Department has to **rework accordingly and resubmit** the proposal.

## **28) Mobile Based Data Collection Tool for Disaster Management**

The total project cost is Rs.200.00 lakhs. The Android-based data collection platform, Collect, allows for capturing quality data from the field in real time. Using the

web dashboard, users can build customized forms on the easy-to-use form builder, deploy forms onto the Android application on mobile devices, and watch as data is captured in real time. The department informed that the GIS mapping already available are being utilised.

After having discussion, the State Planning Commission suggested that to revise the proposal for two district as pilot and demonstrate the model. The department has to **rework the proposal accordingly and resubmit.**

In recommended cases, the Department should follow the prevailing Government Procurement Rules and Tamil Nadu Transparency in Tenders Act, 1998, and Rules 2000.

### **Finance Department**

The Finance Department presented one proposal of Directorate of Co-operative Audit for funding under TANII. The recommendation of the State Planning Commission is furnished below:

#### **Department of Co-operative Audit**

The Director, Co-operative Audit explained on this proposal.

### **29) Provision of Video Conferencing facility for the Directorate and for 7 Regional Joint Director Offices.**

The total cost of the project is Rs. 45.00 lakhs for one year. The proposal Provision of Video Conferencing facility for the Directorate and 7 Regional Joint Director Offices will be useful to conduct periodical review to watch the audit progress effectively and to improve efficiency and speed up audit work. The Director of Co-operative Audit explained about this proposal.

After having discussion, State Planning Commission accepted to fund one video conference facility per district, common to all departments other than Treasuries and Accounts under Finance at a cost of Rs.1.00 crore. The issue needs to be discussed with the Additional Chief Secretary to Government, Finance Department by the Deputy Secretary to Government, Finance Department. The department has to **rework** accordingly and **resubmit.**

## **Planning, Development and Special Initiatives Department**

The Planning, Development and Special Initiatives Department presented one proposal of Evaluation and Applied Research Department and one proposal of State Planning Commission for funding under TANII. The recommendations of the State Planning Commission are furnished below:

### **Evaluation and Applied Research Department**

The Director (FAC), E&AR Department explained on this proposal.

### **30) Electronic File Management System**

The total cost of the project is Rs.42.00 lakhs for three years. The project is for introducing Electronic File Management System in the Department to improve the efficiency and time management in the office functioning and to promote paperless office.

After having discussion, the State Planning Commission accepted to fund the development of internal architecture of the system. It was suggested that to rework the proposal for the Establishment of Data Processing system. Accordingly **rework the cost & components** for the data processing software with floating license, hardware and infrastructure and **resubmit** for funding.

**Now, the department has submitted the revised proposal at a total cost of Rs.45.00 lakhs vide Letter No.687/ E&AR/ TANII(2018-19)/ Round-2/2018, Dated:12.12.2018 titled “ Office Automation for e-Evaluation”.**

### **State Planning Commission**

The Head of Division (IPT), State Planning Commission and the Technical Director, National Informatics Centre, Ezhilagam explained on this proposal.

### **31) Developing a Software for Data Management Cell for Sustainable Development Goal**

This is a three-year project at a cost of the project is Rs.16.30 lakhs. To overcome the difficulty in periodical monitoring of SDG implementation, this proposal is to develop an indicator based digital system/ software to understand the implementation status of

Sustainable Development Goals in Tamil Nadu as a tool for the Data Monitoring Cell. This software will be used for the performance monitoring, reviewing the implementation progress, analysis and ranking of the Districts etc. and generating maps for visualizing the status/ performance.

After having discussion, the State Planning Commission has recommended for funding under TANII for Rs.16.30 lakhs as it will work for generic multipurpose requirements at state and district level data collection.

In recommended cases, the Department should follow the prevailing Government Procurement Rules and Tamil Nadu Transparency in Tenders Act, 1998, and Rules 2000.

### **Agriculture Department**

In the appraisal meeting held on 28.11.2018 it was suggested to prioritize two or three schemes for a sum of Rs.400.00 lakhs to Rs.500.00 lakhs. Accordingly, the Agriculture Department has prioritized three proposals out of proposed five proposals of Tamil Nadu Agricultural University (TNAU) and resubmitted with a reduced outlay. The proposal wise recommendations of the State Planning Commission are furnished below:

#### **Tamil Nadu Agricultural University**

### **32) Pilot Plant for Upscaling Extraction of Bioactive molecules from Medicinal Plants for Exploitation in Food and Health Industry**

The cost of the project is Rs.183.00 lakhs for two years. The main aim of the project is to develop bioactive rich herbal products in eco-friendly way to realize the full potential of plant therapeutic/functional food for commercialization to meet food and health industry demand in the domestic and global market. The Project involves extracting bioactive molecules, characterization of the marker compounds and bioactivity assessment of extracted bioactive molecules towards product development and to assess the product quality for phytochemical stability and microbial load during storage for enhanced shelf life. Accordingly, the revised cost of the project is Rs.183.00 lakhs for two years.

It is stated that the plant material would be procured directly from the farmers of Tamil Nadu at farm level. During the TANII appraisal meeting held on 28.11.2018 it was suggested that the plant materials may be cultivated in TNAU and Agriculture Farms itself



instead of depending on the farmers. The strategies for further scaling up and commercialization may be well designed and documented.

After having discussion, the State Planning Commission has **recommended** for funding under TANII for Rs.183.00 lakhs as pilot with a scope of further scaling up.

### **33) Accelerated Vermi-compost Production through automation**

The cost of the project is Rs.100.00 lakh for two years. The main aim of the project is to establish accelerated vermicompost production unit, to integrate the possible synergetic technologies for the accelerated bioconversion of farm wastes into vermicompost through machinery and mechanized tools and to transfer the technology on accelerated bioconversion of farm wastes into vermicompost to the farmers, venture capitalists and extension personnel. (Total revised project cost is Rs.100.00 lakh for two years).

Earlier, the project was proposed for establishment of Resources centres for crop waste management and accelerated vermi-compost production unit in 3 nodal centres (Coimbatore, Madurai, Thoothukudi) with total cost of Rs.280.50 lakhs. During the discussion held on 28.11.2018, it was suggested to communicate with Ministry of Environment, Forest and CC, GOI to address the Pollution issue of Delhi and also requested to restrict the project to one centre. Accordingly, revised proposal for Rs.100.00 lakhs is proposed to establish one unit at Coimbatore,

After having discussion, the State Planning Commission has **recommended** for funding under TANII for Rs.100.00 lakhs. The outcome should be documented for further scaling up.

### **34) Pelletisation of Forage Crops for enhancing Livestock Productivity**

This is a two year project at a cost of Rs.210.00 lakhs. The project is for Production of cost effective and nutritive fodder pellets from different fodder resources, customization for enhancement of nutritive qualities by adding the energy, protein mineral supplements etc.& Upscaling and commercialization of validated fodder pellets. (Total revised project cost is Rs.210.00 lakh for two years).

As suggested during the TANII appraisal meeting held on 28.11.2018, the proposal was revised with an outlay of Rs.210.00 lakh for the establishment of the unit at the Department of Forage Crop, TNAU, Coimbatore.

After having discussion, the State Planning Commission has **recommended** for funding under TANII for Rs.210.00 lakh for the establishment of the unit at Forage Department, TANU, Coimbatore.

In recommended cases, the Department should follow the prevailing Government Procurement Rules and Tamil Nadu Transparency in Tenders Act, 1998, and Rules 2000.

### **Youth Welfare and Sports Development Department**

#### **35) Sports Talent Identification through Innovative Bio-Science Analysis.**

In the 1<sup>st</sup> phase of TANII appraisal meeting held on 28.11.2018, the Youth Welfare and Sports Development Department had presented the above proposal and *it was informed to resubmit the proposal to establish a static lab with the detailed cost breakups along with dormitories*. Further, it was suggested that the proposal on establishing mobile units can be taken up later.

However, the Principal Secretary to Government, Youth Welfare and Sports Development Department has stated in its letter No.1694/S2/2018, dated 10.12.2018 that to consider the project with mobile unit, as per the consultation with Member-Secretary, Sports Development Authority of Tamil Nadu.

However, the State Planning Commission has reiterated the earlier recommendation.

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PRINCIPAL SECRETARY TO GOVERNMENT(FAC)  
PLANNING & DEVELOPMENT

// TRUE COPY//

Head of Division  
(Plan Coordination)