

# ANERT ANNUAL REPORT

## 2015-16



Agency for Non-conventional Energy and Rural Technology (ANERT)  
Vikas Bhavan PO, PMG-Law College Road, Thiruvananthapuram-33

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**ANERT ANNUAL REPORT 2015-16****Printed and Published by:**

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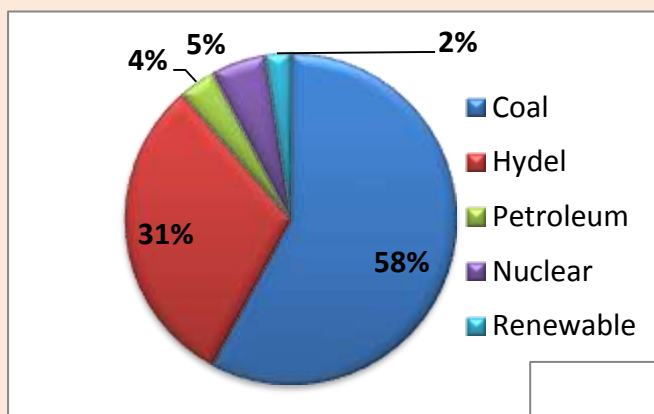
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## Overview

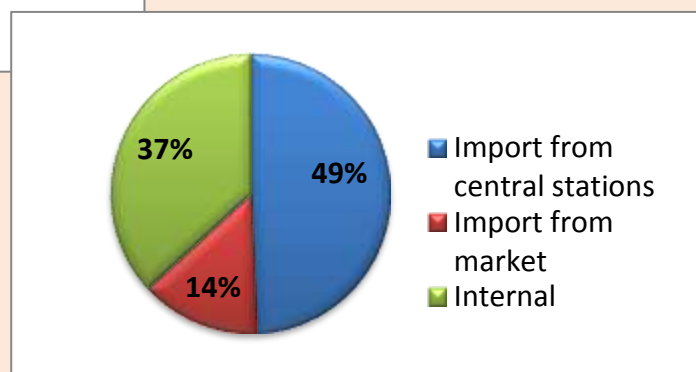
The beginning of twenty first century has been marked by an increasing awareness on the issues of global warming and climate change. India, being a fast growing economy in the world, found itself positioned as the fourth largest greenhouse gas emitter, accounting for 5.8% of the global emissions. Between the period 1990 and 2012, India's emission increased by 67.1% and it is projected to grow 85% by 2030, if not taken steps to curtail the causes. India had taken up this challenge and had formulated policies contributing to climate change mitigation and had pledged under the Copenhagen Accord to reduce the CO<sub>2</sub> intensity by 20-25% by 2020. The major share of the greenhouse gas emission in India is identified to be contributed by the energy sector, where fossil fuels (especially coal) accounts for more than 70% of the total energy supply. It was in this context the energy development from renewable and environment friendly sources achieved evermore importance.

Kerala had once been a State dependant only on the non-polluting green hydro electric sources for power generation; but over the time the situation had changed owing to the fast increase in power demand and the geographic and environmental limitations in locating new such sources. At present the State had to import about 63% of the total electricity demand from outside and hence the hydel component in the energy source mix has lowered to 31% where as fossil fuels forms the major component 62% (coal 58%, petroleum 4%). Thus utilizing the freely available abundant renewable energy sources – the solar, wind and bioenergy resources – could only be viewed upon as indispensable for Kerala at present. Agency for Non-conventional Energy and Rural Technology (ANERT), with its field experience acquired through past quarter of a century had come up with programmes that could pioneer in this challenging situation.



Fuel Mix in Kerala Electricity Consumption

Energy source mix in Kerala-share of import and internal generation



ANERT, the institution designated in State of Kerala for the coordination of renewable energy development targeting an augmentation in energy availability through environmentally friendly route, had concentrated during the period 2015-16, on the Solar and Bio energy development to commensurate with the need of the day.

Solar Photovoltaic Energy generation was nothing new to the State or ANERT that had implemented solar electrification of tribal hamlets almost thirty years back itself. ANERT was the first State Nodal Agency (SNA) of Ministry of New and Renewable Energy (MNRE), who implemented the Remote Village Electrification Programme (RVEP) for electrification of remote colonies along the forest adjacent tracts, where it is difficult to extend state power grid. Nevertheless, till a decade back, solar photovoltaic power generation remained a costly option that worth consideration for remote locations with government subsidy only. But that scenario had changed drastically as technology had advanced and presently solar electricity generation is an option open to all anywhere, especially in regions like our State where almost 300 clear sunlit days are available every year. ANERT had, by the end of 2012-13, announced a new pioneering programme to make use of this advantageous situation – the programme for installation of Ten thousand Solar Roof-top Power Plants. The programme was in operation during 2015-16 also and the same had made solar power plants familiar to people from different walks of life throughout the State.

Biogas generation was also another area activity in ANERT's preview, considered previously for very limited application mainly centred at locations like cattle farms or fish/shrimp processing units. But in view of the increasing issues of food waste being thrown in the public places and the ever increasing cost of cooking fuels, ANERT had formulated programme for popularising biogas generation by small plants suitable for domestic cooking fuel generation and waste management at source.



**30kWp Grid connected Solar Power Plant at St Joseph Pontifical Seminary, Ernakulam**





## **Organisational Administration**

ANERT, the Agency for Non-conventional Energy and Rural Technology was constituted in 1986 under the State Committee for Science Technology and Environment [STEC- presently the Kerala State Council for Science Technology and Environment (KSCSTE)]. This was registered under Charitable Societies Act by the Government of Kerala. The administrative control of ANERT was later been transferred to the Power Department. ANERT is having its Head Quarters at Thiruvananthapuram and has one District Level Office in all 14 districts.

ANERT is also functioning as the State Nodal Agency (SNA) for the Ministry of New and Renewable Energy Sources (MNRE), Govt. of India, to promote, coordinate and implement the Central Programmes on renewable energy in Kerala.

Administratively ANERT is headed by a Director appointed by the Government who is the Member Secretary of Executive Committee and the Governing Body. ANERT is guided by an Executive Committee chaired by Secretary of Power Department; and a Governing Body chaired by the Minister of Electricity, Govt. of Kerala.

During the past quarter of the century, ANERT has been contributing significantly to the development and utilisation of New and Renewable Energy sources of the State. ANERT had established a Solar Photovoltaic power generation capacity of about 3 MW which have generated not less than 4.2 million units of electricity; conserved more than 70 million units of conventional electricity through its energy conservation programmes. The savings of electricity achieved through installation of solar water heating systems would be around 32.5 million units; the savings of bio energy programmes might be equivalent to a new generation of 0.85 million units of electricity and the improved firewood cook stoves programme might have conserved not less than 0.18 million tonnes of fire wood.

The installation of a 2MW land –mounted Solar Power Plant in 7.3 acres out of the 17.3 acre leased land in ANERT's possession at Kuzhalmannam, Palakkad (which was formulated based on the Administrative Sanction obtained vide G.O (Rt) No.74/2015/PD, dated 24.03.2015) had been taken forward during the year 2015-16 based on the decisions of the 42<sup>nd</sup> meeting of Executive Committee and 12<sup>th</sup> Governing Body of ANERT. ANERT had tendered the work of Supply, Installation, Commissioning and 5 years Operation & Maintenance the Solar PV Power Plant and the work awarded to the successful firm M/s Bosch Ltd.

ANERT has obtained technical feasibility letter from KSEBL regarding the Grid Connectivity and Power Evacuation Arrangement for the 2MW Kuzhalmannam PV Power Plant. KSEBL has intimated their willingness to purchase the electricity generated from the proposed 2MW PV Power Plant at Kuzhalmannam. The construction inauguration of the 2MW PV Power Plant at the site was done on 01-01-2016 by Hon'ble Minister for Power. The construction of the Plant is almost completed and Electrical Inspectorate had inspected and granted Energization



permission. The Power Plant will be commissioned soon, after the required testing by KSEBL.

The Director who headed the institution during the period was Smt. Mithra T IAS (25.03.2015 to 11.08.2016). Even though ANERT is having a Staff Structure with 105 posts in 29 categories all along the period of reporting only about half of the sanctioned posts were filled up. The gap is generally filled up by officers under deputation and temporary employees posted as daily wage staff. This affects the efficiency and continuity of procedures, documentation and programme implementation in the organisation to a considerable extent.

The year-wise type wise staff strength of the organisation is given below:

Type	2015-16
Permanent Staff	50
Staff under deputation from other organisations	17
Staff hired under daily wages	34

The policy and programmes of ANERT is decided and approved by the Executive Committee and Governing Body of ANERT through its periodic meetings. During the year 2015-16, the Executive Committee met three times but the Governing Body couldn't meet.

Details of the EC & GB meetings held during the period of reporting are as follows:

Year	Date of EC meetings	Date of GB meetings
2015-16	16.04.2015	Nil
	07.09.2015	
	09.12.2015	

## Programme Implementation

As mentioned already the major activities in operation through ANERT during 2015-16 were Solar Energy programmes and Bioenergy programmes. However, other programmes for promoting wind energy development and programmes for conservation of energy through replacement by renewable sources also were in operation in significant strides. The achievements of ANERT in each of these areas are being presented here.

### I. Solar Photovoltaic Energy Sector

Programmes implemented under Solar Photovoltaic Energy Sector comprised mainly of Ten thousand Solar Roof-top Power Plants and Solar Lantern distribution. In addition to these, as part of the programme spilled over from previous year, distributed 8 nos of Solar Pump sets having total capacity of 24 HP during the year 2015-16.

#### i. Ten thousand Solar Roof-top Power Plants

The project involved installation of Solar Power Plants of 1kW capacity each, on the roof-tops of beneficiaries who could afford to pay the cost of such a unit deducting the Central and State subsidy (which added up to about 50% of the system cost). ANERT had empanelled the companies interested in and capable of undertaking the installation work. Orientation trainings were arranged in various districts to create awareness among public about the scheme. MNRE subsidy of Rs.53,262/- and State subsidy of Rs.39000/- were made available to each power plant unit of capacity 1 kW.



A comparison of the yearly achievement of the solar roof top power plant project is given below:

<b>10000 Solar Rooftop Power Plants</b> (each of 1kW capacity)	2013-14	2014-15	<b>2015-16</b>	Total in 2013-16
Count of Power Plants commissioned	1487	3475	<b>2949</b>	7911

Assuming 0.5kg CO<sub>2</sub> generation is avoided per unit of solar electricity and the average daily electricity generation of a 1kW solar power plant is 3 kWhr, total savings in CO<sub>2</sub> emission from the 7911 numbers of 1kW solar power plants is approximately 4300 tonnes per year.

The 10000 Rooftop Solar Power Plant (Off Grid) Programme implemented by ANERT was identified by 'AREAS'(the association of SNAs, promoted by MNRE), as most innovative programme implemented by a State Nodal Agency and presented ANERT with the plaque and certificate of recognition, which we received from the Minister for Coal and Energy, Govt. of India, Sri. PiyushGoyal, on 27th August 2015 in a function organised at Bangalore.

## ii. Grid Connected Solar Rooftop Power Plants

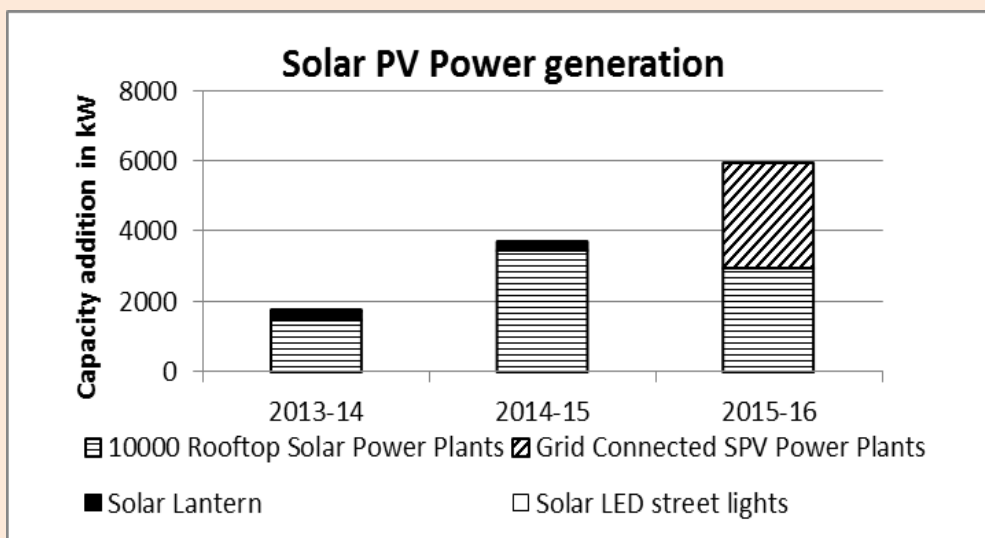
ANERT formulated and obtained approval for a new project in 2014-15 for the installation of grid connected solar rooftop power plants. MNRE had sanctioned Central Financial assistance for the installation of an aggregated capacity of 14 MW under this scheme. The implementation started during 2015-16. The achievement of the project during the year is an installation of 250 power plants with a total capacity addition of 3000 kW, which is equivalent to an avoidance of about 1600 tonnes of CO<sub>2</sub> generation per year.



50kWp Grid Connected Solar Power Plant at PDDP Central Society, Ernakulam



The yearly aggregate achievement of the projects under the Solar Photovoltaic Energy Sector could be depicted as follows:



The cumulative Solar Photovoltaic capacity addition achieved in the State, in 2013-16 is 5949 kW.

## II. Bio Energy Sector

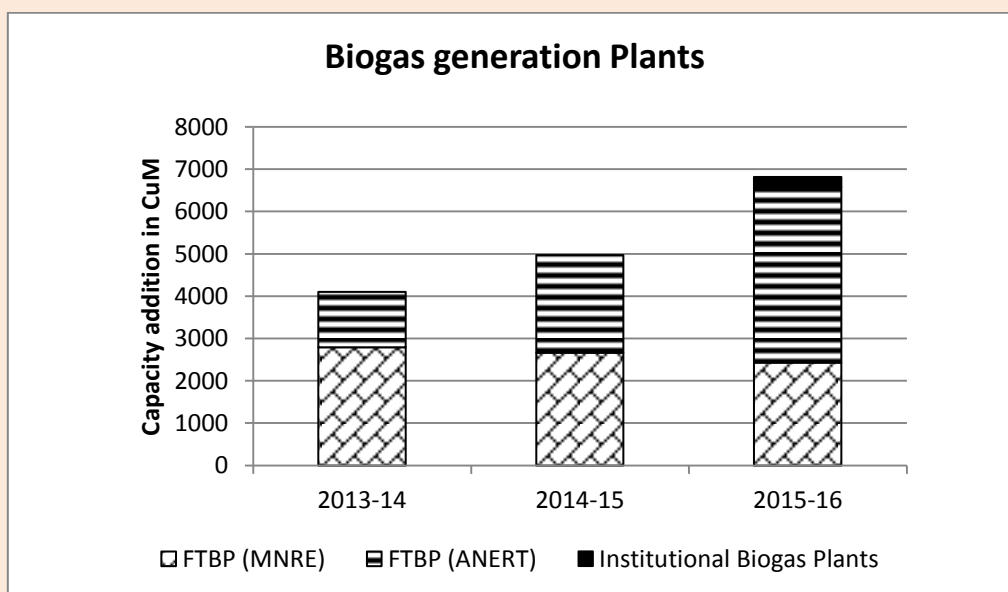
Popularisation of biogas plants with various capacities suitable for domestic or institutional applications was implemented under this sector. The small biogas plants of capacity 0.75 -1cum suitable for domestic waste management are the most acceptable units among this. Portable biogas plants made of FRP, floating drum biogas plants of KVIC model and fixed dome biogas plants namely the Deenabandhu were the approved models being propagated.



The yearly achievements of Bioenergy sector, in count and capacity addition are depicted below:

<b>Biogas Plants</b> (Count of Biogas Plants installed)	2013-14	2014-15	<b>2015-16</b>	Total in 2013-16
Family type Biogas Plants (MNRE scheme)	1081	1040	<b>925</b>	3046
Family type Biogas Plants (State scheme)	1244	2459	<b>4518</b>	8221
Institutional Biogas Plants	0	0	<b>9</b>	9
<b>Total</b>	<b>2325</b>	<b>3499</b>	<b>5452</b>	<b>11276</b>

The year-wise achievement in biogas generation capacity is as follows:



The capacity addition achieved during 2015-16 period is 6819cum of biogas generation facility in the State. Assuming that a 1cum biogas plant could aid to safe disposal of approximately 5kg of biodegradable waste per day, the facility achieved during the period of report is capable of processing approximately 10,225 tonnes of biodegradable waste per year. Moreover the biogas generated from these plants in a year would be equivalent to about 442 Tonnes of LPG or approximately 31000 cylinders of LPG per year.

The Industrial bio-waste to energy project implemented by M/s Nitta Gelatin India Ltd, Kochi was another remarkable milestone achieved in the State in bio-energy development sector during 2015-16. M/s Nitta Gelatin India Ltd, Kochi is manufacturing Ossein, Gelatine, Di calcium Phosphate etc from crushed animal bones as main raw material and is generating about 45MT/day of industrial waste which has no commercial value. Two Biomethanation Plants with capacity 2760m<sup>3</sup> each (0.23MW eq) have been installed in the premises of the company with the financial support from MNRE, to take care of this waste material and the biogas produced is fed to the furnace for heating, resulting in a reduction in consumption of furnace oil to the extent 38kl/month .



**2x2760cum Biomethanation Plants at M/s Nitta Gelatin India Ltd, Kochi**

### **III. Energy Conservation through replacement by Renewable Sources**

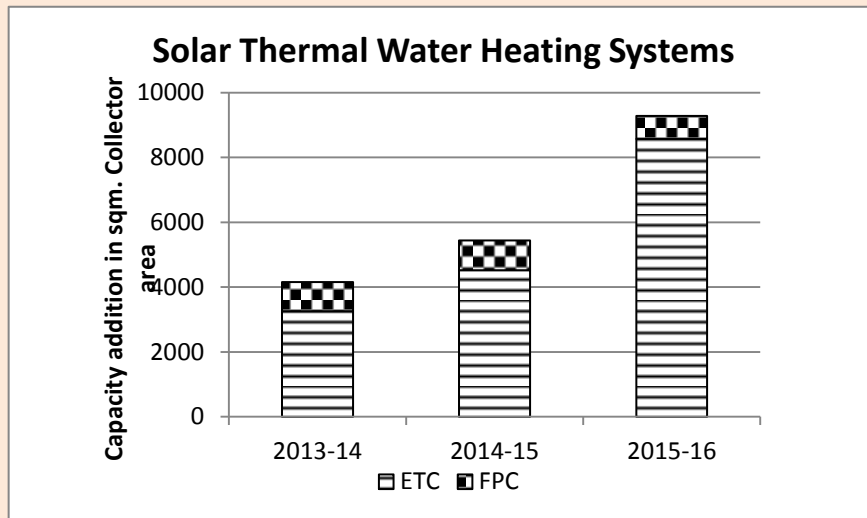
#### **i. Solar Water Heaters**

Solar thermal energy has large potential for replacing fossil fuels or electricity or firewood in various applications of heating or water boiling or even cooking. Solar air heaters for warming up building interiors are of use in colder parts of the country and solar cookers of various size finds successful application in various States. However both these technologies are alien to Kerala, first being of no use in the warm climate of the State and the latter is yet to find acceptance. Nevertheless Solar Water Heating Systems of various capacities have all along been a device familiar to Keralites. This is one of the programmes started in early years of functioning that still continues in ANERT without much change other than periodic variations in subsidy and yearly target. During the period 2015-16 also the Solar Water Heater scheme continued as ever.

The comparison of yearly achievements in this regard, in terms of count of installations and the capacity addition (by area of solar collectors) are given below:

<b>Solar Water Heating Systems</b> (count of SWHS installed)	2013-14	2014-15	<b>2015-16</b>	Total in 2013-16
ETC type SWH	2173	3020	<b>5720</b>	10913
FPC type SWH	449	459	<b>354</b>	1262
SWH in total	2622	3479	<b>6074</b>	12175

The total solar water heater capacity added during these three years is 18893sqm of collector area. Capacity addition through years is as follows:



The acceptance of Solar Water Heaters with Flat Plate Collector (FPC) is slowly reducing whereas the Evacuated Tube Collector (ETC) model is preferred largely.

## ii. Improved Firewood Cook Stoves

Improved Chulha for domestic use and institutional/ community cooking purpose, is another area of activity that had been in operation since inception of ANERT. According to the NSSO 68<sup>th</sup> Round study (2011-12), 66.3% of the rural households and 36.3% of the urban households in Kerala are using firewood as primary source of energy for cooking. Hence the programme for popularising Improved Cook Stoves that saves firewood required and eliminates poisonous smoke from inside the kitchen is still relevant in the State. However as in the case of solar water heating systems, the implementation of Improved Chulha programme also had attained sluggishness due to over familiarity – as year by year the scheme is being repeated with minor changes in subsidy provided and annual target fixed.

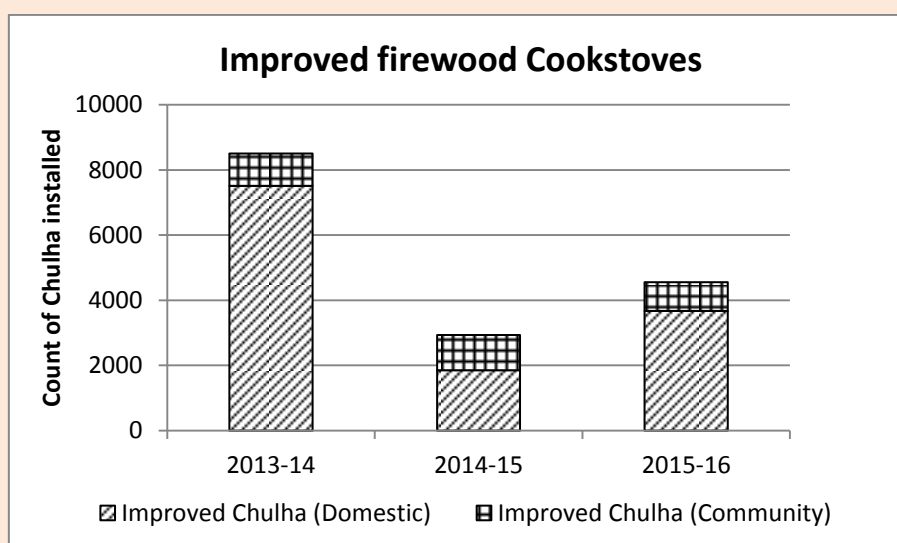






Comparison of yearly achievement growth under this programme during 2013-16 is as follows:

<b>Improved Firewood Chulhas</b> (count of Chulhas installed)	2013-14	2014-15	<b>2015-16</b>	Total in 2013-16
Improved Chulha (Domestic)	7516	1857	<b>3671</b>	13044
Improved Chulha (Community)	990	1081	<b>883</b>	2954
Yearly Total achievement	8506	2938	<b>4554</b>	15998



As could be seen from the pictorial representation given above, unlike other programmes, the Improved Chulha programme is showing a downward trend in general. However this is not due to a lowering of acceptance for the device, but a representation of the fact that ANERT, from 2014-15, had limited the subsidy only for beneficiaries belonging to SC/ST/Fishermen and for houses constructed in Total Housing Scheme of Government. It is reliably learned that the Self Employed Workers (SEWs) trained by ANERT for installation of Improved Chulhas are undertaking an equal (if not more) number of Chulhas outside the subsidy regime, which is not getting recorded anywhere.

#### **IV. Information Communication and Training**

Public awareness creation is an activity important for demystifying the new technologies and devises as well as building up acceptance for the technologies. Therefore in order to address and communicate with common people from every walk of life, ANERT organises / participates in various exhibitions and training programmes every year.



During 2015-16 ANERT participated in 35 exhibitions.

While exhibitions help to connect with common people and display renewable energy devices and enlighten them about the possibilities of renewable energy utilisation, Training Programmes provides a more focussed audience who are interested in understanding the technology and the trends and the new vistas opening

up in the field. These trainings are mostly arranged for equipping participants in the implementation of renewable energy programmes.

Accordingly as part of the training programmes on Installation, Repair and Maintenance of Renewable Energy Systems & Devices, in 2015-16, ANERT had organised 10 training programmes – six of which were on Solar Photovoltaic having 3 days duration each; three were of Bio energy programme with 10 days duration and one was on Improved Chulha with 10 days duration.

ANERT is publishing a bi-monthly newsletter “Souraveedhi” covering our activities and details of programmes in operation. The newsletter is being circulated to all district level offices and sister institutions and to the various stakeholders associating in various programmes.



In-house Capacity building programmes for ANERT personnel is another area being undertaken under the ICT sector. Under this programme, ANERT had conducted one in-house training programme was held on Wind Energy Development with three days duration at Idukki.



## Major Installations under Deposit Work and Technical Consultancy Schemes

ANERT is operating scheme for installation of Solar PV Power Plants as Deposit Work or Technical Consultancy Support, for facilitating institutions that are not capable of managing tendering process and technical supervision of such installations. This helps to mobilise interested parties to make investment in Renewable Energy Sector of the State, augmenting the total achievement of the State by pooling in fund sources outside State Plan funds. ANERT could boast about quite a few major Renewable Energy installations in the State during the period 2013 to 2016. Some of them are listed below:

### Year 2015-16

Solar On-grid Power Plants (installed under Technical Consultancy Support)

Sl No	District	Location of Installation	Capacity (kWp)
1	Thrissur	Thrissur Corporation	200

**Total Additional Capacity achieved – 200 kWp**

## Financial Management

ANERT, as an autonomous institution under Power Department, is supported with Plan and Non-plan grants from the State Government. The organisation is also receiving programme based financial assistance from the Central Ministry of New and Renewable Energy also. The agency also have an internal accrual from service charges from Central Financial Assistance, cost of tender form, application fee for technical clearance of wind farms, registration fees, consultancy charges, inspection charges and other receipts.

The Provisional Annual Accounts Statements of the Financial Year 2015-16 is appended herewith.



**Annual Accounts for year ended 31st March 2016 (Provisional)**  
**AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)**  
**THIRUVANANTHAPURAM**  
**PROVISIONAL BALANCE SHEET AS AT 31ST MARCH 2016**

PARTICULARS	SCH No.	As at 31.03.2016 Amount (in Rs.)
<b><u>SOURCES OF FUND</u></b>		
CAPITAL RESERVE	1	5,558,673.45
UNSPENT BALANCE OF PROJECT FUNDS		
ANERT Projects	2	230,320,111.85
TESM Projects	3	9,130,005.63
Other Projects	4	148,784,002.84
CURRENT LIABILITIES		
Sundry Creditor - Projects	5	56,227,641.70
Sundry Creditor - Expenses	6	-255,599.00
Earnest Money Deposits	7	1,619,338.74
Security Deposit		1,262,291.00
Retention Money	8	27,482,760.67
Provisions and Outstanding Expenses	9	22,280,475.00
INCOME & EXPENDITURE	10	127,220,336.17
<b>Total</b>		<b>629,630,038.05</b>

**AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)**  
**THIRUVANANTHAPURAM**

PARTICULARS	SCH No.	As at 31-03-2016 Amount in (Rs.)
<b><u>APPLICATION OF FUND</u></b>		
FIXED ASSETS	11	84,959,096.66
CURRENT ASSETS		
Loans & Advances	12	6,787,857.39
Inventory	13	7,229,123.00
Overspent balance- Project fund block Panchayat		108,742.13
Deposits	14	55,500.00
Cash & Bank Balance		
Cash Balances	15	0.08
Bank Balances	16	530,489,718.79
<b>Total</b>		<b>629,630,038.05</b>

Thiruvananthapuram



For TEAM  
*Gurjel*  
 Proprietor





**AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)**  
**THIRUVANANTHAPURAM**  
**PROVISIONAL INCOME & EXPENDITURE ACCOUNTS**  
**FOR THE YEAR ENDED 31ST MARCH 2016**

PARTICULARS	SCH No.	As at 31.03.2016 Amount (in Rs.)
<b><u>INCOME</u></b>		
Plan Grant- Govt. of Kerala		27,411,000.00
Renewable Energy Cell Income		11,236.00
Consultation Fee		1,126,544.00
Administrative Income		247,000.00
Application Fee		3,466,250.00
Interest on Deposits		5,935,624.00
Interest and Penalty		191,490.00
Service Charges- CFA Program		1,471,629.00
Cost of Tender Form		41,937.00
Other Income		404,656.00
<b>Total</b>		<b>40,307,366.00</b>
<b><u>EXPENDITURE</u></b>		
Salaries & Allowances	<b>17</b>	40,922,249.00
Office Expenses		3,083,002.00
Travelling Expense		420,598.00
Vehicle Expense		207,337.00
Audit Fees		125,650.00
Legal Fees		58,000.00
Rent		1,032,005.00
Medical Expenses		12,366.00
Other Expenses		6,049,682.00
Depreciation		10,511,651.00
Decrease (Increase) in Stock		-
<b><i>Excess of Income over Expenditure</i></b>		<b>-22,115,174.00</b>
<b>Total</b>		<b>40,307,366.00</b>

Thiruvananthapuram



For TEAM  
*Gurudee*  
 Proprietor



**AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)  
THIRUVANANTHAPURAM**

Schedule forming part of Balance Sheet and Income & Expenditure Account for the year ended 31.03.2016

**Schedule 1: CAPITAL RESERVE**

PARTICULARS	As at 31.03.2016	As at 31.03.2015
Amount as per last Balance Sheet	5,558,673.45	5,558,673.45
Add:		
1) Cost of Fixed Assets of the Agency during the year	-	-
2) Cost of Fixed Assets acquired for Project during the year	-	-
<b>A</b>	<b>5,558,673.45</b>	<b>5,558,673.45</b>
Less: Amount written back to Income & Expenditure	-	-
<b>B</b>	-	-
<b>Total (A-B)</b>	<b>5,558,673.45</b>	<b>5,558,673.45</b>

**Schedule 2: ANERT PROJECTS**

Total Fund Balance in ANERT Projects	Amount (in Rs.)
a) Carry Over Projects	164,206,772.85
b) Electrification using RED	-22,751,693.00
c) Integerated Solar Electrification Programme Surya Jyothi	93,653,975.00
d) New & Renewable Energy Programme of ANERT	-17,835,681.00
e) Resource Assessment of RE	4,935,815.00
f) Testing & Innovation of Lab Facilities	6,831,465.00
g) Training, Extension & Publicity	1,281,275.00
Add: Asset Transferred to ANERT	27,850.00
Less : Repair & Maintenance SPV	29,667.00
<b>Balance of Fund</b>	<b>230,320,111.85</b>

**a) Carry Over Projects**

Particulars	For the year ended 31.03.2016
Opening Balance	317,609,023.85
<b>Fund Received</b>	-
Roof Top Solar Program 2015-16	386,500.00
Solar Lantern 2014-15	33,345,085.00
<b>Expenditure</b>	
Renewable Energy Prog 14-15 (Solar lantern)	9,112,500.00
Roof Top Solar Prog 2015-16	117,093,958.00
Solar lantern 14-15	54,623,972.00
Solar Power Pack	85,000.00
Solar Water Heater 2011-12	689,459.00
Solar Water Heater State subsidy 14-15	5,435,000.00
Wind Monitoring Stations 2011-12	93,947.00
Balance of Fund	164,206,772.85
<b>Total</b>	<b>351,340,608.85</b>





**b) Electrification using RED**

Particulars	For the year ended 31.03.2016	
Opening Balance		-78,319,193.00
<b>Fund Received</b>		56,082,000.00
<b>Expenditure Incurred</b>		
Honorarium to Technical Team	514,500.00	
Balance of Fund	-22,751,693.00	-
<b>Total</b>	<b>-22,237,193.00</b>	<b>-22,237,193.00</b>

**c) Integrated Solar Electrification Programme Surya Jyothi**

Particulars	For the year ended 31.03.2016	
Opening Balance		93,653,975.00
<b>Fund Received</b>		-
<b>Expenditure Incurred</b>	-	
Balance of Fund	93,653,975.00	-
<b>Total</b>	<b>93,653,975.00</b>	<b>93,653,975.00</b>

**d) New & Renewable Energy Programme of ANERT**

Particulars	For the year ended 31.03.2016	
Opening Balance		-67,936,588.00
<b>Fund Received</b>		
Improved Chulha Prog 15-16		2,500.00
Beneficiary Share Solar lantern 13-14		2,907,540.00
Grant in Aid Solar Lighting 2011-12		2,640,000.00
Grant in Aid Solar Lighting 2013-14		11,670,000.00
Grant In aid (Renewable Energy)		86,744,000.00
<b>Expenditure Incurred</b>		
Biogas Plant Prog 2015-16	6,946,000.00	
Improved Chulha Prog 15-16	6,004,500.00	
Solar Water Heater 15-16	631,000.00	
R&D General Expenses 12-13	9,227.00	
Biogas State 2014-15	20,479,000.00	
Improved Chulha Prog 14-15	9,968,500.00	
Solar Lantern 13-14	9,642,506.00	
Solar Water Heater 13-14	182,400.00	
Balance of Fund	-17,835,681.00	-
<b>Total</b>	<b>36,027,452.00</b>	<b>36,027,452.00</b>





**e) Resource Assessment of RE**

Particulars	For the year ended 31.03.2016	
Opening Balance		4,955,275.00
<b>Fund Received</b>		-
<b>Expenditure Incurred</b>		
Wind Energy Projects	19,460.00	
Balance of Fund	4,935,815.00	-
<b>Total</b>	<b>4,955,275.00</b>	<b>4,955,275.00</b>

**f) Testing & Innovation of Lab Facilities**

Particulars	For the year ended 31.03.2016	
Opening Balance		1,191,465.00
<b>Fund Received</b>		5,640,000.00
<b>Expenditure Incurred</b>	-	
Balance of Fund	6,831,465.00	-
<b>Total</b>	<b>6,831,465.00</b>	<b>6,831,465.00</b>

**g) Training, Extension & Publicity**

Particulars	For the year ended 31.03.2016	
Opening Balance		-3,211,232.00
<b>Fund Received</b>		6,200,000.00
<b>Expenditure Incurred</b>		
Publicity , Exhibition, Extension 14-15	1,048,294.00	
Publicity , Exhibition, Extension 15-16	659,199.00	
Balance of Fund	1,281,275.00	-
<b>Total</b>	<b>2,988,768.00</b>	<b>2,988,768.00</b>







**AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)  
TOTAL ENERGY SECURITY MISSION  
STATEMENT OF ACCOUNTS FOR THE YEAR 2015-16(PROJECT FUNDS)**

**Schedule 3: TESM PROJECTS**

<b>Total Fund Balance in TESM Projects</b>	<b>Amount (in Rs.)</b>
a) Joint Programme of TESM with Local Bodies Other than District Panchayats	240,026,190.50
b) Joint Programme of TESM with District Panchayats	52,130,981.00
c) Knowledge Support Service	543,601.00
	<b>292,700,772.50</b>
Less: Grant refunded (Central Govt)	<b>283,631,707.00</b>
Add: Asset Transferred to ANERT	60,940.13
<b>Balance of Fund</b>	<b>9,130,005.63</b>

**a) Joint Programme of TESM with Local Bodies Other than District Panchayats**

<b>Particulars</b>	<b>For the year ended 31.03.2016</b>	
Opening Balance		240,026,190.50
<b>Fund Received</b>		-
<b>Expenditure Incurred</b>	-	
Balance of Fund	240,026,190.50	
<b>Total</b>	<b>240,026,190.50</b>	<b>240,026,190.50</b>

**b) Joint Programme of TESM with District Panchayats**

<b>Particulars</b>	<b>For the year ended 31.03.2016</b>	
Opening Balance		52,130,981.00
<b>Fund Received</b>		-
<b>Expenditure Incurred</b>	-	
Balance of Fund	52,130,981.00	
<b>Total</b>	<b>52,130,981.00</b>	<b>52,130,981.00</b>

**c) Knowledge Support Service**

<b>Particulars</b>	<b>For the year ended 31.03.2016</b>	
Opening Balance		543,601.00
<b>Fund Received</b>		-
<b>Expenditure Incurred</b>	-	
Balance of Fund	543,601.00	
<b>Total</b>	<b>543,601.00</b>	<b>543,601.00</b>





**AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)  
STATEMENT OF ACCOUNTS FOR THE YEAR 2015-16 (PROJECT FUNDS)**

**Schedule 4: OTHER PROJECTS**

<b>Total Fund Balance</b>	<b>Amount (in Rs)</b>
a)Center Of Excellence	22,150,770.00
b) MNRE	
Remote Village Electrification Programme	-3,276,430.16
Battery Operated Vehicle- CFA	3,185,800.00
Depositwork CFA Subsidy	-3,354,350.00
Other MNRE Projects	130,071,554.00
c) Renewable Energy Cell	-740,513.00
	148,036,830.84
Add: Asset Transferred to ANERT	747,172.00
<b>Balance of Fund</b>	<b>148,784,002.84</b>

**a)Center Of Excellence**

<b>Particulars</b>	<b>For the year ended 31.03.2016</b>	
Opening Balance		22,150,770.00
<b>Fund Received</b>		-
<b>Expenditure Incurred</b>	-	
Balance of Fund	22,150,770.00	
<b>Total</b>	<b>22,150,770.00</b>	<b>22,150,770.00</b>

**b) MNRE Central Finance Assistance  
Remote Village Electrification Programme**

<b>Particulars</b>	<b>For the year ended 31.03.2016</b>	
Opening Balance		-10,825,498.16
<b>Fund Received</b>		7,549,068.00
<b>Expenditure Incurred</b>	-	
Balance of Fund	-3,276,430.16	
<b>Total</b>	<b>-3,276,430.16</b>	<b>-3,276,430.16</b>

**Battery Operated Vehicle- CFA**

<b>Particulars</b>	<b>For the year ended 31.03.2016</b>	
Opening Balance		4,077,800.00
<b>Fund Received</b>		-
<b>Expenditure Incurred</b>	892,000.00	
Balance of Fund	3,185,800.00	
<b>Total</b>	<b>4,077,800.00</b>	<b>4,077,800.00</b>

**Deposit Work CFA Subsidy**

<b>Particulars</b>	<b>For the year ended 31.03.2016</b>	
Opening Balance		-3,354,350.00
<b>Fund Received</b>		-
<b>Expenditure Incurred</b>	-	
Balance of Fund	-3,354,350.00	
<b>Total</b>	<b>-3,354,350.00</b>	<b>-3,354,350.00</b>





### Other MNRE Projects

Particulars	For the year ended 31.03.2016	
<b>Opening Balance</b>		
Other MNRE Projects		3,407,455.00
CFA- Program		6,210,056.00
CFA-Biogas Project		27,332,874.00
CFA-Expenditure		1,638,461.00
SPV Power Plant		20,448,142.00
CFA-RGAUD		-54,444.00
CFA- Solar Water Heater		-6,225,075.00
SPV Rooftop		27,209,248.00
CFA- WIND		-2,221,984.00
<b>Fund Received</b>		
CFA-Biogas Project		9,900,000.00
CFA- Expenditure		350,000.00
SPV Rooftop		55,184,727.00
SPV Power Plant		3,208,824.00
Other MNRE Projects		84,129,000.00
CFA- Akshay Urja		108,956.00
CFA- General		212,006.00
CFA- SWHS 2011-12		4,040,000.00
MNRE IREDA		7,706,400.00
MNRE (NISE)		1,900,320.00
<b>Expenditure Incurred</b>		
MNRE Solar City Kochi	1,942,000.00	
CFA-Biogas Project	14,334,200.00	
CFA- Roof TOP SPV Program	88,925,143.00	
SPV Power Plant	4,723,974.00	
Other MNRE	12,847.00	
CFA- SWHS 2011-12	2,272,075.00	
MNRE (NISE)	1,284,000.00	
Publicity, Extension and Training	919,173.00	
Balance of Fund	130,071,554.00	
<b>Total</b>	<b>244,484,966.00</b>	<b>244,484,966.00</b>

### c) Renewable Energy Cell

Particulars	For the year ended 31.03.2016	
Opening Balance		-740,513.00
Fund Received		-
<b>Expenditure Incurred</b>	-	
Balance of Fund	-740,513.00	
<b>Total</b>	<b>-740,513.00</b>	<b>-740,513.00</b>



**Schedule 5: Sundry Creditor - Projects**

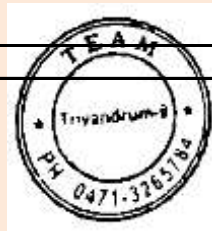
Particulars	As at 31.03.2016
<b>Deposit Work</b>	
DW-2KW Power Plant. Govt. Poly	495,000.00
DW- Ambalawayal, Wayanad	-110,981.00
DW-Anad GP Trivandrum	262,500.00
DW-Aralam Farm Hs	74,480.00
DW-Aralam Wild Life Division, Iritty	836,000.00
DW-Aryad Grama Panchayat	836,000.00
DW-Asamanoor Gp	223,125.00
DW-Attingal Municipality	105,000.00
DW-Bekal Tourism KSGD	223,125.00
DW-Biogas -PTC	5,000.00
DW-Center for Earth Studies	197,772.00
DW-CESS	-193,650.00
DW Chengottukavu Grm. Pan.	1,087,500.00
DW-Chettachal, Vithura	174,000.00
DW-Chettikulangara GP	18,070.00
DW-Chinnar Wild Life	74,375.00
DW-Chirakkal GRM PNCHYT	836,000.00
DW-Coir Board - CCRI	127,640.00
DW-Community Health Centre, Vadakkancheri	77,726.00
DW CWRDM,KOZHIKODE	2,200,000.00
DW CWRDM Sub Centre TVPM	836,000.00
DW-Dist. Live Stock Farm	84,666.00
DW-District Hospital Kottayam	15,000.00
DW-Divisional Forest Office, Palakkad	75,000.00
DW DTPC - KANNUR	1,458,625.00
DW-Dv Forest Office,Konni	330,000.00
DW-Elerithett, Ksgd	2,090,000.00
DW ERINJOLI GPT	627,000.00
DW-Fathimagiri Social Service Centre	152,000.00
DW Forest Off TVPM	150,000.00
DW-GHMCH Calicut	307,000.00
DW-GLPS Thuliyoor	100,000.00
DW-Govt. Ayurveda Colleg KNR	59,500.00
DW-Govt Engineering College Kannur-Bio Gas	97,556.00
DW-Govt Homeopathic Medical College	88,164.00
DW-Govt. Law Collage KKD	1,881,000.00
DW-Govt. Mental Health Care Centre	-355,000.00
DW-Govt. Mental Health Centre	389,500.00
DW-Iringalakuda Block Panjayath	187,500.00
DW Iringalakuda Municipality	-2,740,000.00
DW-Kadanadu GP	726,000.00
DW Kadukutty Gram. Pancha.	297,500.00
DW-Kalanjoor GP	418,000.00
DW-Kallara Grama Panchayat	120,000.00
DW-Kalloror Gp	297,500.00
DW-Kanakari Bp	119,000.00
DW-Kannur Block Panchayat	389,500.00
DW-Kannur Govt. Polytechnic Collge	104,125.00
DW-Kasaragod Govt. College	180,639.00
DW-Keezhmadu Gramapanchayath	459,800.00
DW-Kerala Agricultural University	186,897.00
DW- Kodakara Block Panchayat	1,254,000.00
DW-Koduvally G.P	525,000.00
DW-Kolluvally Gp	1,045,000.00
DW-Konni Block Panchayat	2,090,000.00
DW-KSEB TVPM	5,600,000.00







DW-KSIHFW, THYCAUD	2,800,000.00
DW-Kulasekaram Grama Panchayat, Kollam	418,000.00
DW-Kumili G.P	1,123,515.00
DW KURISUMMOOTTIL,KZD	-28,850.00
DW-Literacy Mission Palakkad	29,964.00
DW-Malankara Plantations	96,301.00
DW-Malappuram DP -Solar Fencing	-4,269,794.00
DW-Mathilakam Block Panchayat	389,500.00
DW-Mental Health Centre, Tvp.m.	172,666.00
DW-M/s CAPEX	2,099,803.00
DW-Paippad GP	200,000.00
DW-Paloramala SC Colony	337,500.00
DW Panapuzha Grama Panch	1,254,000.00
DW-PANDALAM BLOCK PANCHAYAT	1,840,058.00
DW Periya Grama Panchayath	836,000.00
DW-PIG PROD&RES	-367,133.00
DW-Ranni Angadi Gp	472,500.00
DW-Ranni Bp	2,475,000.00
DW-REGIONAL CANCER CENTRE, TVPM	-7,920,000.00
DW-Scheduled Caste Development Prog	27,300.00
DW-SC ST Department	1,000,000.00
DW-Sholayar GP	25,000.00
DW-Social Justice Directorate	1,650,000.00
DW-SPV POWER PLANT IN PUBLIC BUILDING 2012-13	-1,145,500.00
DW-Taluk Hospital Cherthala	6,300,000.00
DW-Taluk Hospital Perambra	68,540.00
DW-Thamarassery Gramapanchayath	627,000.00
DW-Thanoor Bp	74,375.00
DW-Thrakkadavoor GP	9,360.00
DW-Trikkur G.P	57,000.00
DW-University of Kerala	1,157,720.00
DW-Uzhavoor Grama Panchayat KTM	199,250.00
DW-Vakkom Municipality	648,200.00
DW-Valakam Grama Panchayat	375,000.00
DW-Vazhapalli Grama Panchayat	418,000.00
DW-Vengara Block Panchayat	300,000.00
DW-Vengola Grama Panchayat	418,000.00
DW-VETENIARY UNIVERSITY	600,000.00
DW-Vijayapuram GP	100,000.00
DW-Village Extn Officer Alappad B Circle	110,000.00
DW-Wayanad DP - Solar Fencing Work	351,203.00
	<b>42,524,632.00</b>
<b>Other Creditors</b>	
Environ Energy Corporation India Pvt Ltd	9,833,156.16
ITI Ltd	13,125.00
Kerala State Rural Womens Electronics Ind Co-Op	1,123.00
Omega Electronics,Tvm	1,400,000.00
Secratery SEZ Kochin	775,041.00
World Institute of Sustainable Energy	1,156,405.54
Sundry Creditors-Others	524,159.00
	<b>13,703,009.70</b>
<b>Total</b>	<b>56,227,641.70</b>





**Schedule 6: Sundry Creditor - Expenses**

Particulars	As at 31.03.2016
5% Output Tax	12,500.00
Audit Fee Payable FY 2012-13	40,000.00
Building Tax	-19,799.00
TDS -Consultancy Payable	-173,120.00
TDS -Contracts Payables	18,229.00
TDS -Rent Payable	45,261.00
TDS -Salary Payable	-192,791.00
Labour Welfare Contribution	41,181.00
Service Charges	-5,000.00
Service Tax	5,220.00
VAT- Sales Tax Payable	-27,280.00
<b>Total</b>	<b>-255,599.00</b>

**Schedule 7: Earnest Money Deposit**

Particulars	As at 31.03.2016
Others	1,619,338.74
<b>Total</b>	<b>1,619,338.74</b>

**Schedule 8: Retention Money**

Particulars	As at 31.03.2016
Retention Money-Cyber Motion Technologies	190,000.00
Retention Money- Deposit Work	34,946.00
Retention Money- Ramakrishna Iron Works	56,450.00
Retention Money- Solar Lantern	1,666,820.00
Retention Money- Others	25,534,544.67
<b>Total</b>	<b>27,482,760.67</b>

**Schedule 9: Provisions & Outstandings**

Particulars	As at 31.03.2016
Provision for Expenses	9,000,000.00
Provision for Expenses 2011-12	-1,529,300.00
Provision - Service Charge- Third Party Monitoring (RVEP)	426,968.00
Salary Deductions	4,092,561.00
Courier Charges Payable	1,995.00
Diesel Charges Payable	4,797.00
Electricity Charges Payable	77,769.00
Honararium Payable	34,221.00
News Paper Charges Payable	950.00
Office Expense Payable	10,936.00
Performance Security	4,191,886.00
Postage&Courier Charges Payable	2,696.00
Rent Payable	163,778.00
Salary Payable	4,315,238.00
Security Charges Payable	94,708.00
Sponsorship Charge	693,048.00
Telephone Charges Payable	43,786.00
Vehicle Expense Payable	20,935.00
Vehicle Hire Charges Payable	19,600.00
Wages Payable	613,629.00
Water Charges Payable	274.00
<b>Total</b>	<b>22,280,475.00</b>





### Schedule 10: Income & Expenditure

Particulars		As at 31.03.2016
Balance as per Last Balance Sheet		149,335,510.17
Add: Excess of Income over Expenditure during the year		-22,115,174.00
	<b>A</b>	127,220,336.17
Less: Excess of Expenditure over Income during the year		-
Transfer to Capital Reserve, the amount utilised for Capital Expenditure during the year		-
	<b>B</b>	-
	<b>Total (A-B)</b>	<b>127,220,336.17</b>

### Schedule 12: Loans and Advances

Particulars		As at 31.03.2016
Project Advance District Office ANERT	i	-34,783,242.61
Project Advance District Office TESM	ii	2,563,687.50
Staff Work Advances	iii	763,475.00
Advance for Project Outsiders	iv	6,272,138.00
Contingent Advance-TESM	v	79,000.00
ABR Solar Agencies, Wayanad		56,142.00
Advance for Building Construction		269,800.00
Advance for FMRE Demo		486,500.00
Advance for Land in Palakkad Iin SBT		-6,007,919.00
Advance- Prement Advance		2,917.50
Advance to CMD		9,000,000.00
Advance to Festival Advance-TESM		179,000.00
Advance to IMEG		3,387,250.00
Advance to Ramakrishhna Iron Works Pvt Ltd		1,147,372.00
Advance to Staff- Festival Advance		65,000.00
District Collector Alappuzha		6,930.00
HQ's Building Preliminary Exp		250,000.00
Advance Land- RERTC		23,000,000.00
Onam Advance		-4,500.00
Other Advances		29,507.00
Thathamangalam Municipality Palkkad		24,000.00
Travel Advance		800.00
<b>Total</b>		<b>6,787,857.39</b>

### Schedule 13: Inventory

Particulars		As at 31.03.2016
Thiruvananthapuram		272,652.00
Kollam		21,512.60
Pathanamthitta		1,380,861.00
Kottayam		166,100.00
Alappuzha		866,710.80
Idukki		1,368,404.00
Ernakulam		460,024.00
Thrissur		20,703.60
Palakkad		394,343.00
Malappuram		446,753.00
Wayannad		317,924.00
Kozhikode		270,003.00
Kannur		293,519.00
Kasargoad		294,824.00
Headquarters		611,247.00
Adithya Solar Shop, Trivandrum		43,542.00
<b>Total</b>		<b>7,229,123.00</b>



**Schedule 14: Deposits**

Particulars	As at 31.03.2016
Fuel Deposit	10,000.00
Security Deposit	45,500.00
<b>Total</b>	<b>55,500.00</b>

**Schedule 15: Cash In Hand**

Particulars	As at 31.03.2016
Cash in Hand	0.08
<b>Total</b>	<b>0.08</b>

**Schedule 16: Bank Balances**

Particulars	As at 31.03.2016
SBT Kuzhalmandam A/c No.67020172286	6,470,951.00
SBT Palakkad	1,000.00
SBT Pattom 57009363167	121,433,092.69
SBT Pattom 67053058032	66,481,629.70
SBT PATTOM 67250668543	(2,863,830.00)
SBT -Pattom A/c 57009348504	27,622,486.00
SBT-Pattom A/c 67058828463	5,719,501.00
SBT PATTOM A/C. NO.67242882331	44,936,540.00
SBT Pattom A/C No. 67270901214	726,397.00
Treasury Deposit A/c	73,664,672.00
TSB-TPA 14905	0.40
TSB -TPA 864	186,297,279.00
<b>Total</b>	<b>530,489,718.79</b>

**Schedule 17: Salaries & Allowances**

Particulars	As at 31.03.2016
Salary	33,437,288.00
Salary Arrears	54,060.00
Surrender Leave Salary	1,782,847.00
Wages	4,241,174.00
Honorarium	3,650.00
Festival Allowance	560,200.00
Employer's Contribution-Welfare Fund	-1,050.00
Employer's Contribution-EPF	794,392.00
EPF Administrative Charges	49,688.00
<b>Total</b>	<b>40,922,249.00</b>





**AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)**  
**THIRUVANANTHAPURAM**

**Schedule 11: Fixed Asset as on 31.03.2016**

Particulars	WDV as on 31.03.2015	Addition during the year		Total as on 31.03.2016	Depreciation		WDV as on 31.03.2016
		Before 28.09.2015	After 28.09.2015		Rate (%)	Amount (Rs.)	
<b>ANERT</b>							
Computer	365,287.14	1,255,000.00	-	1,620,287.14	60%	972,172.00	648,115.14
Cycle	8.48	-	-	8.48	15%	1.00	7.48
Digital Copier	24,514.00	-	-	24,514.00	60%	14,708.00	9,806.00
Electrical Fittings	3,382.73	-	-	3,382.73	10%	338.00	3,044.73
Field Equipments	4.26	-	-	4.26	15%	1.00	3.26
Furniture & Fittings	8,272,185.80	-	-	8,272,185.80	10%	827,219.00	7,444,966.80
HQ Building	82,369,084.00	-	-	82,369,084.00	10%	8,236,908.00	74,132,176.00
Library and Documentation	179.16	-	-	179.16	60%	107.00	72.16
Machinery & Equipments	64,609.93	-	-	64,609.93	15%	9,691.00	54,918.93
Motor Car Ford Fiesta	307,960.36	-	-	307,960.36	15%	46,194.00	261,766.36
Office Equipments	221,388.68	-	-	221,388.68	15%	33,208.00	188,180.68
Printer & Scanner	16,542.00	-	-	16,542.00	60%	9,925.00	6,617.00
Telephone	1,703.89	676.00	-	2,379.89	15%	357.00	2,022.89
Vaccum Cleaner	2,368.72	-	-	2,368.72	15%	355.00	2,013.72
Vehicle	15,198.56	-	-	15,198.56	15%	2,280.00	12,918.56
Water Purifier and Dispenser	688.30	-	-	688.30	10%	69.00	619.30
<b>Total (A)</b>	<b>91,665,106.01</b>	<b>1,255,676.00</b>	<b>-</b>	<b>92,920,782.01</b>		<b>10,153,533.00</b>	<b>82,767,249.01</b>
<b>PROJECTS</b>							
Air Conditioner	17,280.82	-	-	17,280.82	60%	10,368.00	6,912.82
Arc GIS 9.3 Software -TESM	5,325.00	-	-	5,325.00	60%	3,195.00	2,130.00
Battery Operated Van	100,601.47	-	-	100,601.47	15%	15,090.00	85,511.47
Books	20,376.23	-	-	20,376.23	15%	3,056.00	17,320.23
Book Shelf	3,128.46	-	-	3,128.46	10%	313.00	2,815.46
CAD Software	4,196.81	-	-	4,196.81	60%	2,518.00	1,678.81
Computer - Projects	32,276.60	-	-	32,276.60	60%	19,366.00	12,910.60
Data Card.	640.18	-	-	640.18	15%	96.00	544.18
Dspace Application	5,018.00	-	-	5,018.00	60%	3,011.00	2,007.00
DVD Player	194.83	-	-	194.83	15%	29.00	165.83
Energy Saving Equipments	3,733.86	-	-	3,733.86	15%	560.00	3,173.86
Fax Machine	25,234.92	-	3,200.00	28,434.92	15%	4,025.00	24,409.92
Field Equipments-Project	2,553.20	-	-	2,553.20	15%	383.00	2,170.20
Fire Extinguisher	19,400.33	-	-	19,400.33	15%	2,910.00	16,490.33
Furniture & Fitting	1,049,755.63	-	-	1,049,755.63	10%	104,976.00	944,779.63
Machinery & Equipments -Project	176,972.59	-	-	176,972.59	15%	26,546.00	150,426.59
Multimedia Projector	460,555.41	-	-	460,555.41	15%	69,083.00	391,472.41
Office Equipments - Projects	45,605.84	-	-	45,605.84	15%	6,841.00	38,764.84
TALLY 9 SILVER	781.48	-	-	781.48	60%	469.00	312.48
Tools and Equipment	61,341.00	-	-	61,341.00	15%	9,201.00	52,140.00
UPS 2KVA	366,540.74	-	-	366,540.74	15%	54,981.00	311,559.74
UPS 5KVA	130,418.77	-	-	130,418.77	15%	19,563.00	110,855.77
VACCUUM CLEANER-PROJECT	1,092.77	-	-	1,092.77	15%	164.00	928.77
Water Purifier & Dispenser	13,740.71	-	-	13,740.71	10%	1,374.00	12,366.71
<b>Total (B)</b>	<b>2,546,765.65</b>	<b>-</b>	<b>3,200.00</b>	<b>2,549,965.65</b>		<b>358,118.00</b>	<b>2,191,847.65</b>
<b>Grand Total (A+B)</b>	<b>94,211,871.66</b>	<b>1,255,676.00</b>	<b>3,200.00</b>	<b>95,470,747.66</b>	<b>-</b>	<b>10,511,651.00</b>	<b>84,959,096.66</b>







**AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY  
THIRUVANANTHAPURAM  
SUB SCHEDULES**

**i. PROJECT ADVANCE DO-ANERT**

PARTICULARS	Amount (in Rs.)
Alappuzha	(3,649,145.00)
Ernakulam	2,225,477.00
Idukki	(747,708.00)
Kannur	(879,635.00)
Kasargod	(1,625,992.80)
Kollam	(1,424,488.00)
Kottayam	(2,292,996.01)
Kozhikkode	(2,641,069.22)
Malappuram	(3,919,122.25)
Palakkad	(7,219,575.00)
Pathanamthitta	(3,583,099.10)
Thiruvananthapuram	(1,241,367.00)
Thrissur	(1,103,893.40)
Wayanad	(6,680,628.83)
	<b>(34,783,242.61)</b>

**ii. PROJECT ADVANCE-TESM**

PARTICULARS	Amount (in Rs.)
Alappuzha	(11,597.50)
Ernakulam	82,727.00
Idukki	136,718.00
Kannur	382,632.00
Kasargod	160,978.00
Kollam	263,284.00
Kottayam	41,904.00
Kozhikkode	248,258.00
Malappuram	64,976.00
Palakkad	126,920.00
Pathanamthitta	397,175.00
Thrissur	338,645.00
Trivandrum	19,405.00
Wayanad	186,041.00
Ajithkumar C T	34.00
Aneesh S Prasad	3,500.00
Anilkumar B Technician	4,000.00
Balagopalan K	(150.00)
Chandraboze C K	50,900.00
Chandraboze P	20,000.00
Driver Dasan	5,500.00
Hareeendran	9,935.00
Jayakumar	14,747.00
Murukesan Peon	3,300.00
Rajasekharan Nair Helper	6,000.00
Reghukumar N	4,900.00
Resy George	2,956.00
	<b>2,563,687.50</b>

**iii. STAFF WORK ADVANCE**

PARTICULARS	Amount (in Rs.)
Abdul Manaf A T	(594.00)
Ajith Gopi	(4,875.00)
AjithKumar CT.	3,931.00
Ajith Kumar J T D	56,676.00
Anessh S Prasad	17,009.00





Anil Kumar B. Store Keeper	47,969.00
Anillumar V	8,432.00
Balagopalan K	7,471.00
Bhaskaran V V	500.00
B K Devadas	2,663.00
Chandramohan Nair	(50.00)
C.K.Chandrabose	11,950.00
Dasan M	37,989.00
Dr. M. Jayaraju - Director	963.00
E.K.Valsala	(7,866.00)
Fransis T D	4,500.00
Hareendran. K	2,479.00
James Joseph	(500.00)
Janardhanan U	47,947.00
Jayakumar B. Admin Dep	2,567.00
Jayakumar,R, P.E	67,812.00
Jayamohan J M	(52,731.00)
Joseph George	69,508.00
Kamala Devi	20,219.00
K.G. Kala	4,379.00
K. Vincent	14,849.00
Madhu S	110,312.00
Manoharan J	54,036.00
Mohammad K	5,000.00
Mohan Raj	3,500.00
Murugesan P - Peon	(56.00)
Nijo Wilson	1,037.00
Prameela Rani P J T D	2,002.00
P Chandrabose	3,429.00
Pramod N E	28,298.00
Premkumar Scientist	28,322.00
Rajasekharan Nair V	1,315.00
Rajesh R	21,934.00
Reghukumar N Ta	(17,738.00)
Reghunathan Ps	(17,802.00)
Santhakumari S	2,130.00
Santhi M S Manager H R M	6,583.00
Satheesh Kumar	19,700.00
Sebastian C	(1,141.00)
Selvaraj	26,572.00
Selvin B Ta	(5,200.00)
Shamsudeen Driver	14,770.00
Shyla C T	8,248.00
Suresh Babu - TA	665.00
Valsalakumari	95,290.00
Valsaraj Scientist	4,544.00
Vinod	(472.00)
Zakkir	5,000.00
	<b>763,475.00</b>

**iv. WORK ADVANCE**

<b>PARTICULARS</b>	<b>Amount (in Rs.)</b>
Andhyodhaya	19,412.00
C Wet Chennai	3,060,825.00
G.Jose- Spl.Officer,Model Res.Polytechnic PKD	3,177,901.00
Kerala State Land Use Board(KSLUB)	14,000.00
	<b>6,272,138.00</b>



