

ANERT ANNUAL REPORT

2013-14



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

ANERT ANNUAL REPORT 2013-14**Printed and Published by:**

Dr. R Harikumar, Director, ANERT

Data compilation and Editing:

Resy George, Technical Officer

Publication Committee:

Latha Panikker, General Manager, Nithakumari T, Finance Manager
Valsaraj P, Director Technical i/c, Kamaladevi V, Scientist, Premkumar K, Scientist,
Programme Officers: Aneesh S Prasad, Ajithgopi, Kala KG, Madhu S,
Jayakumar R, Rajesh R, CK Chandrabose, Jayachandran Nair P,
CT Ajithkumar, Joseph George, NP Kumar, Manoharan J, Technical Officer,
Sughitha S, Junior Manager (Fin), Hareendran K, Junior Manger (HRM) i/c



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.

One of the major organisational achievements of ANERT, during the period 2013-14, is that the institution could move into our own Head Quarters Building. 45 cents of land in the heart of the city had been allotted to ANERT for this purpose as back as in 2000 by the then government headed by Late Sri EK Nayanar. The construction of the four storied building, having a carpet area of 1851 sqm, incorporating the features of “Green Building” concept was completed in 2013-14.

The building now stands high as an architectural beauty blending in new engineering technologies and renewable energy utilisation methods. The building is fitted with 15 kW Solar Power Plant on its roof-top generating on an annual average, not less than 60kWhr electricity per day. This also functions as the demonstration unit as it comprises of three individual units of 5kW each, using Mono-crystalline, Poly-crystalline and thin film solar modules respectively. The building was inaugurated by the then Chief Minister Sri Oommen Chandi, on 20th November 2013.



Dr.M Jayaraju (03.01.2013 to 13.06.2014) functioned as the Director of the institution during the period under reporting.

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 extend.

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

Type	2013-14
Permanent Staff	53
Staff under deputation from other organisations	13
Staff hired under daily wages	54

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 2013-14, the Executive Committee met three times and Governing Body met once. Details of the EC & GB meetings held during the period of reporting are as follows:

Year	Date of EC meetings	Date of GB meetings
2013-14	29.08.2013	22.05.2013
	16.11.2013	
	10.03.2014	

Programme Implementation

The major activities in operation through ANERT during 2013-14 were Solar Energy programmes and Bio energy 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, ANERT carried out installation of 401 Solar LED street lights in the year 2013-14.

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.



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

10000 Solar Roof-top Power Plants (each of 1kW capacity)	2013-14
Count of Power Plants commissioned	1487

Assuming 0.5kg CO₂ 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 CO₂ emission from the 1487 numbers of 1kW solar power plants is approximately 807.6 tonnes per year.

ii. Solar Lantern Distribution

Solar lanterns were devised of high acceptability in the State from the very beginning of the programme, owing to its suitability for multiple applications possible ranging from use as a study lamp within house to a road side vendor's light for late evening sale. During the period under reporting ANERT had promoted both CFL based Solar Lanterns as well as LED based Solar Lanterns. The subsidy made available was Rs 500/- for beneficiaries in general category whereas for beneficiaries in SC/ST/BPL/Fishermen categories were given a subsidy of Rs.1000/-

The physical achievement in this project is given below:



Solar Lanterns (with 7W CFL or 5W LED luminaries)	2013-14
Count of Solar lanterns distributed	33056
Capacity addition (in KW)	231.39

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:

Biogas Plants (Count of Biogas Plants installed)	2013-14
Family type Biogas Plants (MNRE scheme)	1081
Family type Biogas Plants (State scheme)	1244
Total	2325

The total capacity addition achieved during 2013-14 period is 4108 cum 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 6100 tonnes of biodegradable waste per year. Moreover the biogas generated from these plants in a year would be equivalent to about 266 tonnes of LPG or approximately 18700 cylinders of LPG per year.

III. Wind Energy Development

As part of the programmes for Wind Energy development, ANERT had verified the proposal and accorded technical approval (during November 2013 vide A.O. no. 266/WPC/ANERT/2013 dated 04.12.2013) to M/s. Kosamattam Finance Pvt. Ltd., Kottayam for establishing 1 MW (4 x 250 kW) wind farm in private land at Pushpakandam (Ramakkalmedu) in Udumbanchola Taluk of Idukki District.

Another development in this sector was the MoU signed between the Government of Kerala and NHPC (National Hydro Power Corporation – a PSU of Govt. of India) for the development of wind farm projects in the State of Kerala. This envisages developing 82MW wind farm project Nallasingam and Kottathara areas of Attappady in Palakkad district, as its first phase.



IV. 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.



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

Solar Water Heating Systems (count of SWHS installed)	2013-14
ETC type SWH	2173
FPC type SWH	449
SWH in total	2622

The total solar water heater capacity added during the year is 4157.5 sqm of collector area.

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 68th 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.

The achievement under this programme during 2013-14 is as follows:

Improved Firewood Chulhas (count of Chulhas installed)	2013-14
Improved Chulha (Domestic)	7516
Improved Chulha (Community)	990
	8506

V. 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 2013-14, ANERT participated in 25 major exhibitions throughout the State.

While exhibitions help to connect with common people and display renewable energy devises 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, ANERT had conducted three training programmes on Solar Photovoltaic systems, two on Biogas plants and one on Improved Chulhas in 2013-14.

In-house Capacity building programmes for ANERT personnel is another area being undertaken under the ICT sector. Under this programme, ANERT had conducted three training programmes of three day duration, in 2013-14, covering one each in Solar Energy, Bio Energy and Wind Energy. These training programmes were held in Mananthavady, Paravoor and Coimbatore respectively.

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.

Year 2013-14

Solar Off-grid Power Plants (installed as deposit work)

Sl No	District	Location of Installation	Capacity (kWp)
1	Kollam	Thrikkadavoor Grama Panchayat	3
2	Kollam	Kulasekharapuram Grama Panchayat	2
3	Pathanamthitta	Kalanjoor Grama Panchayat	2



4	Idukki	Kumily Grama Panchayat	6
5	Thrissur	Thrikkur Grama Panchayat	3
6	Thrissur	Government Mental Health Centre	5
7	Thrissur	Mathilakam Block Panchayat	5
8	Thrissur	Pig Production & Research Centre	4
9	Kozhikode	Perambra Taluk Hospital	2
10	Kozhikode	Chelannur Block Panchayat	4
11	Kozhikode	Community Health Centre Narikuni	4
12	Kozhikode	Government Homoeopathic Medical College	5
13	Kannur	Kannur Block Panchayat	5
14	Kannur	Aralam Wild Life Dormitory	2
15	Kannur	Aralam Wild Life Division Office	2
16	Wayanad	Government Polytechnic Meppady	3
17	Kasaragod	Government College	10

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

Sl No	District	Location of Installation	Capacity (kWp)
1	Kottayam	Assumption College	3

Total Additional Capacity achieved - 70kWp

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 year 2013-14 is appended herewith.



Annual Accounts for the year ended 31st March 2014 (Provisional)

AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT) THIRUVANANTHAPURAM PROVISIONAL BALANCE SHEET AS AT 31ST MARCH 2014

PARTICULARS	SCH No.	As at 31.03.2014 Amount (in Rs.)
<u>SOURCES OF FUND</u>		
CAPITAL RESERVE	1	5,558,673.45
UNSPENT BALANCE OF PROJECT FUNDS		
ANERT Projects	2	545,998,921.85
TESM Projects	3	302,505,921.63
Other Projects	4	-25,594,539.16
CURRENT LIABILITIES		
Sundry Creditor - Projects	5	54,314,047.70
Sundry Creditor - Expenses	6	293,280.00
Earnest Money Deposits	7	3,480,338.74
Security Deposit		428,263.00
Retention Money	8	19,752,539.67
Provisions	9	11,007,615.00
INCOME & EXPENDITURE	10	177,270,645.17
Total		1,095,015,707.05

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

PARTICULARS	SCH No.	As at 31-03-2014 Amount in (Rs.)
<u>APPLICATION OF FUND</u>		
FIXED ASSETS	11	8,006,567.66
CURRENT ASSETS		
Loans & Advances	12	115,305,207.39
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	964,310,566.79
Total		1,095,015,707.05

Thiruvananthapuram



For TEAM
Gurub
Proprietor



AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)
THIRUVANANTHAPURAM
PROVISIONAL INCOME & EXPENDITURE ACCOUNTS
FOR THE YEAR ENDED 31ST MARCH 2014

PARTICULARS	SCH No.	As at 31.03.2014 Amount (in Rs.)
<u>INCOME</u>		
Non-Plan Grant- Govt. of Kerala		22,415,000.00
Renewable Energy Cell Income		38,708.00
Application Fee		2,484,510.00
Cost of Tender Form		164,030.00
Interest on Deposits		15,117,179.30
Interest and Penalty		27,126.00
Consultation Fee		59,200.00
Other Income		133,713.00
Total		40,439,466.30
<u>EXPENDITURE</u>		
Salaries & Allowances	17	44,341,930.00
Office Expenses		3,962,417.00
Travelling Expense		640,325.00
Vehicle Expense		701,991.00
Audit Fees		389,500.00
Legal Fees		127,000.00
Rent		1,634,681.00
Bank Charges		56.00
Depreciation		981,004.00
Excess of Income over Expenditure		-12,339,437.70
Total		40,439,466.30

Thiruvananthapuram



For TEAM
Gurub
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 31.03.2014

Schedule 1: CAPITAL RESERVE

PARTICULARS	As at 31.03.2014	As at 31.03.2013
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	-	-
A	5,558,673.45	5,558,673.45
Less: Amount written back to Income & Expenditure	-	-
B	-	-
Total (A-B)	5,558,673.45	5,558,673.45

Schedule 2: ANERT PROJECTS

Total Fund Balance in ANERT Projects	Amount (in Rs.)
a) Carry Over Projects	137,632,235.47
b) Chulha Provision for Total Housing	17,217,452.00
c) Demonstration Project on Smart Building	52,499,043.00
d) Demo Wind Energy Programme - KSEB	20,000,000.00
e) Energy Mart	180,350.00
f) Energy Run	5,835.45
g) International Seminar	322,337.00
h) National Programme on Improved Chulha	27,581,917.93
i) Remote Village Electrification in SC & ST Colonies	5,885,691.00
j) Street Light Reforms	2,496,000.00
k) Total Electrification Programme- Using Renewal Energy	80,778,180.00
l) Electrification using RED	77,790,370.00
m) Integrated Solar Electrification Programme Surya Jyothi	115,173,600.00
n) New & Renewable Energy Programme of ANERT	4,286,300.00
o) Resource Assessment of RE	4,992,575.00
p) Testing & Innovation of Lab Facilities	1,191,465.00
q) Training, Extension & Publicity	-2,032,613.00
Add: Asset Transferred to ANERT	27,850.00
Less : Repair & Maintenance SPV	29,667.00
Balance of Fund	545,998,921.85

a) Carry Over Projects

Particulars	For the year ended 31.03.2014	
Opening Balance	-	137,632,235.47
Fund Received		
Expenditure	-	
Balance of Fund	137,632,235.47	
Total	137,632,235.47	137,632,235.47

b) Chulha Provision for Total Housing

Particulars	For the year ended 31.03.2014	
Opening Balance	-	17,225,018.00
Fund Received		
Expenditure Incurred	7,566.00	
Balance of Fund	17,217,452.00	-
Total	17,225,018.00	17,225,018.00





c) Demonstration Project on Smart Building

Particulars	For the year ended 31.03.2014	
Opening Balance	-	52,499,043.00
Fund Received		
Expenditure Incurred	-	
Balance of Fund	52,499,043.00	-
Total	52,499,043.00	52,499,043.00

d) Demo Wind Energy Programme - KSEB

Particulars	For the year ended 31.03.2014	
Opening Balance	-	20,000,000.00
Fund Received		
Expenditure Incurred	-	
Balance of Fund	20,000,000.00	-
Total	20,000,000.00	20,000,000.00

e) Energy Mart

Particulars	For the year ended 31.03.2014	
Opening Balance	-	180,350.00
Fund Received		
Expenditure Incurred	-	
Balance of Fund	180,350.00	-
Total	180,350.00	180,350.00

f) Energy Run

Particulars	For the year ended 31.03.2014	
Opening Balance	-	5,835.45
Fund Received		
Expenditure Incurred	-	
Balance of Fund	5,835.45	-
Total	5,835.45	5,835.45

g) International Seminar

Particulars	For the year ended 31.03.2014	
Opening Balance	-	322,337.00
Fund Received		
Expenditure Incurred	-	
Balance of Fund	322,337.00	-
Total	322,337.00	322,337.00

h) National Programme on Improved Chulha

Particulars	For the year ended 31.03.2014	
Opening Balance		27,581,917.93
Fund Received		
Expenditure Incurred	-	
Balance of Fund	27,581,917.93	-
Total	27,581,917.93	27,581,917.93





i) Remote Village Electrification in SC & ST Colonies

Particulars	For the year ended 31.03.2014	
Opening Balance	-	5,885,691.00
Fund Received		
Expenditure Incurred	-	
Balance of Fund	5,885,691.00	-
Total	5,885,691.00	5,885,691.00

j) Street Light Reforms

Particulars	For the year ended 31.03.2014	
Opening Balance	-	2,496,000.00
Fund Received		
Expenditure Incurred	-	
Balance of Fund	2,496,000.00	-
Total	2,496,000.00	2,496,000.00

k) Total Electrification Programme- Using Renewal Energy

Particulars	For the year ended 31.03.2014	
Opening Balance	-	80,778,180.00
Fund Received		
Expenditure Incurred	-	
Balance of Fund	80,778,180.00	-
Total	80,778,180.00	80,778,180.00

l) Electrification using RED

Particulars	For the year ended 31.03.2014	
Opening Balance		54,036,465.00
Fund Received		100,125,000.00
Expenditure Incurred		
Project Implementation Expenses	3,148,762.00	
Roof Top Solar Programme	73,222,333.00	
Balance of Fund	77,790,370.00	-
Total	154,161,465.00	154,161,465.00

m) Integrated Solar Electrification Programme Surya Jyothi

Particulars	For the year ended 31.03.2014	
Opening Balance		124,928,000.00
Fund Received		
Expenditure Incurred		
Solar Street Lighting	9,754,400.00	
Balance of Fund	115,173,600.00	-
Total	124,928,000.00	124,928,000.00





n) New & Renewable Energy Programme of ANERT

Particulars	For the year ended 31.03.2014	
Opening Balance		24,377,935.00
Fund Received		100,989,551.00
Expenditure Incurred		
Lab Setting, Incl Furniture 12-13	80,575.00	
R & D General Expenses 12-13	199,826.00	
R & D Instruments 12-13	34,889.00	
Biogas Plant 12-13	16,089,570.00	
Biogas Plant 11-12	110,000.00	
Biogas Plant 13-14	3,920,000.00	
Improved Chulha	25,727,109.00	
Project Implementation	8,342,357.00	
Solar Lantern	47,117,192.00	
Solar Water Heater	18,353,586.00	
Repair and maintenance SPV Syst 2011-12	1,106,082.00	
Balance of Fund	4,286,300.00	-
Total	125,367,486.00	125,367,486.00

o) Resource Assessment of RE

Particulars	For the year ended 31.03.2014	
Opening Balance		6,085.00
Fund Received		5,000,000.00
Expenditure Incurred		
Wind Energy Projects	3,460.00	
Wind Monitoring Stations	10,050.00	
Balance of Fund	4,992,575.00	-
Total	5,006,085.00	5,006,085.00

p) Testing & Innovation of Lab Facilities

Particulars	For the year ended 31.03.2014	
Opening Balance		191,465.00
Fund Received		1,000,000.00
Expenditure Incurred	-	
Balance of Fund	1,191,465.00	-
Total	1,191,465.00	1,191,465.00

q) Training, Extension & Publicity

Particulars	For the year ended 31.03.2014	
Opening Balance		364,035.00
Fund Received		1,000,000.00
Expenditure Incurred		
Publicity , Exhibition	3,170,846.00	
Training & Capacity Building	225,802.00	
Balance of Fund	-2,032,613.00	-
Total	1,364,035.00	1,364,035.00





AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)
TOTAL ENERGY SECURITY MISSION
STATEMENT OF ACCOUNTS FOR THE YEAR 2013-14 (PROJECT FUNDS)

Schedule 3: TESM PROJECTS

Total Fund Balance in TESM Projects	Amount (in Rs.)
a) Joint Programme of TESM with Local Bodies Other than District Panchayats	240,026,190.50
b) Joint Programme of TESM with District Panchayats	61,875,190.00
c) Knowledge Support Service	543,601.00
	302,444,981.50
Add: Asset Transferred to ANERT	60,940.13
Balance of Fund	302,505,921.63

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

Particulars	For the year ended 31.03.2014	
Opening Balance		240,026,190.50
Fund Received		-
Expenditure Incurred	-	
Balance of Fund	240,026,190.50	-
Total	240,026,190.50	240,026,190.50

b) Joint Programme of TESM with District Panchayats

Particulars	For the year ended 31.03.2014	
Opening Balance		61,875,190.00
Fund Received		-
Expenditure Incurred		
Balance of Fund	61,875,190.00	-
Total	61,875,190.00	61,875,190.00

c) Knowledge Support Service

Particulars	For the year ended 31.03.2014	
Opening Balance	-	76,490,906.00
Fund Received		543,601.00
Grant refunded	76,490,906.00	
Balance of Fund	543,601.00	-
Total	77,034,507.00	77,034,507.00

d) Institutional Support for Decentralised Power Generation

Particulars	For the year ended 31.03.2014	
Opening Balance		-4,186,239.87
Fund Received		-
Grant Refunded	4,186,239.87	
Balance of Fund	-	-
Total	4,186,239.87	-4,186,239.87





e) Decentralised Energy Generation Programmes

Particulars	For the year ended 31.03.2014	
Opening Balance		13,595,505.00
Fund Received		-
Grant Refunded	13,595,505.00	-
Balance of Fund	-	-
Total	13,595,505.00	13,595,505.00

f) Small Hydro Projects

Opening Balance	For the year ended 31.03.2014	
Opening Balance		3,571,977.00
Fund Received		-
Grant Refunded	3,571,977.00	-
Balance of Fund	-	-
Total	3,571,977.00	3,571,977.00

g) Tesm Flagship Programme on Rural Energy

Fund Received	For the year ended 31.03.2014	
Opening Balance		46,000,000.00
Fund Received		-
Grant Refunded	46,000,000.00	-
Balance of Fund	-	-
Total	46,000,000.00	46,000,000.00





**AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)
STATEMENT OF ACCOUNTS FOR THE YEAR 2013-14 (PROJECT FUNDS)**

Schedule 4: OTHER PROJECTS

Total Fund Balance	Amount (in Rs)
a)Center Of Excellence	29,316,180.00
b) MNRE	
Remote Village Electrification Programme	-10,825,498.16
Other MNRE Projects	-41,021,530.00
Battery Operated Vehicle- CFA	284,000.00
Depositwork CFA Subsidy	-3,354,350.00
c) Renewable Energy Cell	-740,513.00
	-26,341,711.16
Add: Asset Transferred to ANERT	747,172.00
Balance of Fund	-25,594,539.16

a)Center Of Excellence

Particulars	For the year ended 31.03.2014	
Opening Balance		85,965,409.00
Fund Received		1,444.00
Expenditure Incurred		
MRP Kuzhalmannam	56,650,673.00	
Balance of Fund	29,316,180.00	
Total	85,966,853.00	85,966,853.00

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

Particulars	For the year ended 31.03.2014	
Opening Balance		-10,825,498.16
Fund Received		-
Expenditure Incurred	-	
Balance of Fund	-10,825,498.16	
Total	-10,825,498.16	-10,825,498.16

Battery Operated Vehicle- CFA

Particulars	For the year ended 31.03.2014	
Opening Balance		-
Fund Received		284,000.00
Expenditure Incurred	-	
Balance of Fund	284,000.00	
Total	284,000.00	284,000.00

Deposit Work CFA Subsidy

Particulars	For the year ended 31.03.2014	
Opening Balance		-
Fund Received		-
Expenditure Incurred	3,354,350.00	
Balance of Fund	-3,354,350.00	
Total	-	-





Other MNRE Projects

Particulars	For the year ended 31.03.2014	
Opening Balance		
Other MNRE Projects		9,934,786.00
CFA-Biogas Project		5,192,500.00
CFA-Publicity		1,189,154.00
SPV Power Plant		-814,898.00
CFA-RGAUD		-88,341.00
CFA- Solar Water Heater		-6,225,075.00
SPV Rooftop		50,000,000.00
CFA for WRA studies		-839,508.00
Fund Received		
CFA-Biogas Project		13,984,900.00
SPV Rooftop		319,572.00
Expenditure Incurred		
CFA-Expense Biogas	1,849,240.00	
CFA-Expense Publicity	720,805.00	
CFA- Expense RVEP	426,968.00	
RGAUD Expense	103,651.00	
Solar Water Heater	-	
SPV Power Plant	3,576,960.00	
Wind Monitoring Stations	1,899,476.00	
SPV Rooftop	100,185,822.00	
Other MNRE	4,911,698.00	
Balance of Fund	-41,021,530.00	
Total	72,653,090.00	72,653,090.00

c) Renewable Energy Cell

Particulars	For the year ended 31.03.2014	
Opening Balance		-380,513.00
Fund Received		-
Expenditure Incurred	360,000.00	
Balance of Fund	-740,513.00	
Total	-380,513.00	-380,513.00



Schedule 5: Sundry Creditor - Projects

Particulars	As at 31.03.2014
Deposit Work	
Attingal Municipality	105,000.00
Center for Earth Studies	300,425.00
Coir Board-CCRI	110,250.00
Community Health Centre,Vadakkancheri	77,726.00
Govt.Engg College, Kannur	97,556.00
Govt Homeoptathic Medical Collg Hospital	618,000.00
Kallara Gram Panchayat	120,000.00
Kerala Agriculture University	186,897.00
Malankara Plantations	96,301.00
Malappuram Fencing	1,002,406.00
M/s CAPEX	6,600,000.00
Raanni Angadi GP	472,500.00
Scheduled Caste Development Prog	27,300.00
SCST Department	1,000,000.00
Sholayar Grama Panchayat	25,000.00
Vengara Block Panchayat	300,000.00
Wynad Fencing	1,399,194.00
Vakkom Municipality	648,200.00
PANDALAM BLOCK PANCHAYAT	1,840,058.00
2KW Power Plant. Govt. Poly	495,000.00
Aralam Wild Life Division, Iritty	836,000.00
Bio Gas Plant -SAP CAMP	800,000.00
Biogas -PTC	160,000.00
Deposit Work -CESS	-193,650.00
Chelannur Bp at CHC Narikunni	836,000.00
Chelanoor Block Panchayt KKD	836,000.00
Dist. Live Stock Farm	84,666.00
Divisional Forest Office, Palakkad	75,000.00
DTPC - KANNUR	1,443,750.00
GHMCH Calicut	997,000.00
GLPS Thuliyoor	100,000.00
Govt. Mental Health Centre	1,045,000.00
Iringalakuda Municipality	2,260,000.00
Kalanjoor GP	418,000.00
Kannur Block Panchayat	1,045,000.00
Kasaragod Govt. College	2,200,000.00
Kodakara Block Panchayat	627,000.00
Koduvally G.P	525,000.00
Konni Block Panchayat	2,090,000.00
KSIHFW, THYCAUD	2,800,000.00
Kumili G.P	2,100,000.00
Mathilakam Block Panchayat	1,045,000.00
Mental Health Centre, Tvpn.	825,000.00
Paippad GP	200,000.00
Paloramala SC Colony	337,500.00
Taluk Hospital, Perambra	418,000.00
Thrikkadavoor GP	627,000.00
Trikkur G.P	627,000.00
VETENIARY UNIVERSITY	600,000.00
Vijayapuram Gp	100,000.00
	41,386,079.00





Other Creditors	
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
World Institute of Sustainable Energy	524,159.00
Sundry Creditors-Others	1,156,405.54
	12,927,968.70
Total	54,314,047.70

Schedule 6: Sundry Creditor - Expenses

Particulars	As at 31.03.2014
5% output Tax	12,500.00
Sales Tax Payable - ANERT	-3,371.00
TDS on Salary	-205,716.00
TDS on Contracts	295,806.00
TDS on Professional & Consultancy Charge	108,800.00
TDS on Rent	45,261.00
Audit fees Payable	40,000.00
Total	293,280.00

Schedule 7: Earnest Money Deposit

Particulars	As at 31.03.2014
Others	3,480,338.74
	3,480,338.74

Schedule 8: Retention Money

Particulars	As at 31.03.2014
Retention Money-Cyber Motion Technologies	190,000.00
Ramakrishna Iron Works - Ret Money	56,450.00
Retention Money-Others	19,506,089.67
Total	19,752,539.67

Schedule 9: Provisions & Outstandings

Particulars	As at 31.03.2014
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	766,014.00
Diesel Charges Payable	4,797.00
Electricity Charges Payable	23,183.00
Honararium Payable	34,221.00
Postage&Courier Charges Payable	2,696.00
Rent Payable	78,688.00
Salary Payable	1,944,449.00
Security Charges Payable	37,255.00
Telephone Charges Payable	11,400.00
Vehicle Expense Payable	20,935.00
Wages Payable	186,035.00
Water Charges Payable	274.00
Total	11,007,615.00





Schedule 10: Income & Expenditure

Particulars		As at 31.03.2014
Balance as per Last Balance Sheet		189,610,082.87
Add: Excess of Income over Expenditure during the year	A	-12,339,437.70
		177,270,645.17
Less: Excess of Expenditure over Income during the year		-
Transfer to Capital Reserve, the amount utilised for Capital Expenditure during the year	B	-
		-
Total (A-B)		177,270,645.17

Schedule 12: Loans and Advances

Particulars		As at 31.03.2014
Project Advance District Office ANERT	i	-7,264,449.61
Project Advance District Office TESM	ii	2,563,687.50
Staff Work Advances	iii	977,216.00
Advance for Project Outsiders	iv	6,272,138.00
ABR Solar Agencies, Wayanad		56,142.00
Advance for FMRE Demo		486,500.00
Advance for Building Construction		269,800.00
Advance for Building Construction-BSNL HQ		80,784,816.00
Advance for Land in Palakkad in 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
Contingent Advance-TESM		79,000.00
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
Total		115,305,207.39

Schedule 13: Inventory

Particulars		As at 31.03.2014
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
Total		7,229,123.00





Schedule 14: Deposits

Particulars	As at 31.03.2014
Fuel Deposit	10,000.00
Security Deposit	45,500.00
Total	55,500.00

Schedule 15: Cash In Hand

Particulars	As at 31.03.2014
Cash in Hand	0.08
Total	0.08

Schedule 16: Bank Balances

Particulars	As at 31.03.2014
SBT Palakkad	1,000.00
SBT Pattom 57009363167	10,385,269.69
SBT -Pattom A/c 57009348504	508,271.00
SBT Pattom 67053058032	29,413,214.70
SBT-Pattom A/c 67058828463	166,398.00
TSB -TPA 864	801,633,899.00
TSB-TPA 14905	0.40
SBT Kuzhalmandam A/c No.67020172286	6,470,951.00
SBT PATTOM A/C. NO.67242882331	193,664.00
SBT-Pattom Deposit A/c	-
Treasury Deposit A/c	115,537,899.00
Total	964,310,566.79

Schedule 17: Salaries & Allowances

Particulars	As at 31.03.2014
Salary	36,883,709.00
Surrender Leave Salary	1,459,570.00
Wages	3,937,130.00
Honorarium	259,075.00
Pension Contribution	768,168.00
Festival Allowance	124,410.00
Employer's Contribution-Welfare Fund	150.00
Employer's Contribution-EPF	830,079.00
EPF Administrative Charges	79,639.00
Total	44,341,930.00

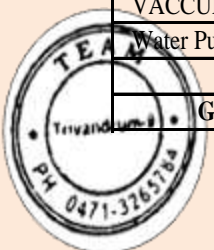




AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)
THIRUVANANTHAPURAM

Schedule 11: Fixed Asset as on 31.03.2014

Particulars	WDV as on 31.03.2013	Addition during the year		Total as on 31.03.2014	Depreciation		WDV as on 31.03.2014
		Before 28.09.2013	After 28.09.2013		Rate (%)	Amount (Rs.)	
ANERT							
Computer	59.14	-	-	59.14	60%	35.00	24.14
Cycle	11.48	-	-	11.48	15%	2.00	9.48
Electrical Fittings	4,176.73	-	-	4,176.73	10%	418.00	3,758.73
Field Equipments	6.26	-	-	6.26	15%	1.00	5.26
Furniture & Fittings	254,477.80	14,000.00	4,444,533.00	4,713,010.80	10%	249,074.00	4,463,936.80
Library and Documentation	1,120.16	-	-	1,120.16	60%	672.00	448.16
Machinery & Equipments	89,425.93	-	-	89,425.93	15%	13,414.00	76,011.93
Motor Car Ford Fiesta	426,242.36	-	-	426,242.36	15%	63,936.00	362,306.36
Office Equipments	167,945.68	-	16,800.00	184,745.68	15%	26,452.00	158,293.68
Printer & Scanner	37,388.00	-	-	37,388.00	60%	22,433.00	14,955.00
Telephone	1,516.89	842.00	-	2,358.89	15%	354.00	2,004.89
Vaccum Cleaner	3,278.72	-	-	3,278.72	15%	492.00	2,786.72
Vehicle	16,356.56	-	4,300.00	20,656.56	15%	2,776.00	17,880.56
Water Purifier and Dispenser	850.30	-	-	850.30	10%	85.00	765.30
Total (A)	1,002,856.02	14,842.00	4,465,633.00	5,483,331.02		380,144.00	5,103,187.02
PROJECTS							
Air Conditioner	16,004.82	-	-	16,004.82	60%	9,603.00	6,401.82
Arc GIS 9.3 Software -TESM	33,280.00	-	-	33,280.00	60%	19,968.00	13,312.00
Battery Operated Van	139,240.47	-	-	139,240.47	15%	20,886.00	118,354.47
Books	28,202.24	-	-	28,202.24	15%	4,230.00	23,972.24
Book Shelf	3,862.46	-	-	3,862.46	10%	386.00	3,476.46
CAD Software	26,225.81	-	-	26,225.81	60%	15,735.00	10,490.81
Computer - Projects	201,727.60	-	-	201,727.60	60%	121,037.00	80,690.60
Data Card.	886.18	-	-	886.18	15%	133.00	753.18
Dspace Application	31,360.00	-	-	31,360.00	60%	18,816.00	12,544.00
DVD Player	268.83	-	-	268.83	15%	40.00	228.83
Energy Saving Equipments	5,167.86	-	-	5,167.86	15%	775.00	4,392.86
Fax Machine	34,926.92	-	-	34,926.92	15%	5,239.00	29,687.92
Field Equipments-Project	3,534.20	-	-	3,534.20	15%	530.00	3,004.20
Fire Extinguisher	26,851.33	-	-	26,851.33	15%	4,028.00	22,823.33
Furniture & Fitting	1,295,994.63	-	-	1,295,994.63	10%	129,599.00	1,166,395.63
Machinery & Equipments -Project	244,944.59	-	-	244,944.59	15%	36,742.00	208,202.59
Multimedia Projector	637,447.41	-	-	637,447.41	15%	95,617.00	541,830.41
Office Equipments - Projects	63,121.84	-	-	63,121.84	15%	9,468.00	53,653.84
TALLY 9 SILVER	4,884.48	-	-	4,884.48	60%	2,931.00	1,953.48
UPS 2KVA	507,322.74	-	-	507,322.74	15%	76,098.00	431,224.74
UPS 5KVA	180,509.77	-	-	180,509.77	15%	27,076.00	153,433.77
VACCU CLEANER-PROJECT	1,512.77	-	-	1,512.77	15%	227.00	1,285.77
Water Purifier & Dispenser	16,963.71	-	-	16,963.71	10%	1,696.00	15,267.71
Total (B)	3,504,240.66	-	-	3,504,240.66		600,860.00	2,903,380.66
Grand Total (A+B)	4,507,096.67	14,842.00	4,465,633.00	8,987,571.67		981,004.00	8,006,567.66





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

SUB SCHEDULES

i. PROJECT ADVANCE-ANERT

PARTICULARS	Amount (in Rs.)
Alappuzha	-1,689,485.00
Ernakulam	2,804,878.00
Idukki	10,451.00
Kannur	809,771.00
Kasargod	-1,134,611.80
Kollam	-261,732.00
Kottayam	-1,672,712.01
Kozhikkode	-537,961.22
Malappuram	-1,091,856.25
Palakkad	-1,988,143.00
Pathanamthitta	-1,235,686.10
Thiruvananthapuram	98,191.00
Thrissur	174,425.60
Wayanad	-1,549,978.83
	-7,264,449.61

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
Kozhikode	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
Chandrabose C K	50,900.00
Chandrabose P	20,000.00
Driver Dasan	5,500.00
Hareendran	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
	2,563,687.50





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	3,932.00
Anil Kumar B. Store Keeper	221,475.00
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	40,518.00
Dasan M	37,989.00
Dr. M. Jayaraju - Director	963.00
E.K.Valsala	2,000.00
Fransis T D	4,500.00
Hareendran. K	2,479.00
James Joseph	-500.00
Janardhanan U	47,947.00
Jayakumar,R, P.E	104,320.00
Jayamohan J M	-52,731.00
Joseph George	69,508.00
Kamala Devi	75,219.00
K.G. Kala	25,000.00
K. Vincent	17,064.00
Madhu S	15,091.00
Manoharan J	56,940.00
Mohammad K	5,000.00
Mohan Raj	3,500.00
Murugeshan 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	15,364.00
Rajasekharan Nair V	1,315.00
Rajesh R	-9,201.00
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	36,907.00
Sebastian C	-1,141.00
Selvaraj	48,876.00
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
	977,216.00

iv. WORK ADVANCE

PARTICULARS	Amount (in Rs.)
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
	6,272,138.00



