

ANERT ANNUAL REPORT

2014-15



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

ANERT ANNUAL REPORT 2014-15

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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.

A remarkable stride in the organisational achievement in 2014-15 is the initiation of 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. The project was formulated based on the Administrative Sanction obtained vide G.O (Rt) No.74/2015/PD, dated 24.03.2015 and the activities to achieve the target is in full swing.

The Directors who headed the institution during the period under reporting were Dr.M Jayaraju (03.01.2013 to 13.06.2014), Dr. K Vasuki IAS (18.06.2014 to 24.03.2015) and 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 extend.



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

Type	2014-15
Permanent Staff	51
Staff under deputation from other organisations	18
Staff hired under daily wages	44

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 2014-15, the Executive Committee met twice 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
2014-15	06.08.2014	25.11.2014
	16.12.2014	

Programme Implementation

The major activities in operation through ANERT during 2014-15 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.

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 rooftop power plant project is given below:

10000 Solar Rooftop Power Plants (each of 1kW capacity)	2014-15
Count of Power Plants commissioned	3475

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 these solar power plants is approximately 1887 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/- Moreover 787 Lanterns were distributed to students in higher secondary classes, free of cost in 2014-15.



The physical achievement in this project is given below:

Solar Lanterns (with 7W CFL or 5W LED luminaries)	2014-15
Count of Solar lanterns distributed	42494
Capacity addition (in KW)	255.61

iii. 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. But the implementation could not be started during the year.

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 Bio energy sector, in count and capacity addition are depicted below:

Biogas Plants (Count of Biogas Plants installed)	2014-15
Family type Biogas Plants (MNRE scheme)	1040
Family type Biogas Plants (State scheme)	2459
Total	3499

The total capacity addition achieved during year 2014-15 is 4971 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 7450 tonnes of biodegradable waste per year. Moreover the biogas generated from these plants in a year would be equivalent to about 322 Tonnes of LPG or approximately 22600 cylinders of LPG per year.

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..

The achievements in 2014-15, 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)	2014-15
ETC type SWH	3020
FPC type SWH	459
SWH in total	3479

The total solar water heater capacity added during these three years is 5448 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 2014-15 is as follows:

Improved Firewood Chulhas (count of Chulhas installed)	2014-15
Improved Chulha (Domestic)	1857
Improved Chulha (Community)	1081
	2938

During the year the subsidy is limited only for beneficiaries belonging to SC/ST/Fishermen and for houses constructed in Total Housing Scheme of Government. However 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 2014-15 participated in 3 major exhibitions at Thiruvananthapuram and Thrissur Districts and conducted 22 one day exhibitions in the fourteen districts. This year ANERT also organised 22 awareness programmes, spread over the 14 districts specifically for the familiarisation of scheme details of the newly announced “Solar Connect” scheme.



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 2 training programmes on Solar Photovoltaic systems in 2014-15.

Apart from the above, during 2014-15, a Workshop on Solar Steam Cooking Systems and Solar Driers had been organised (on 18-9-2014) at Mascot Hotel, Thiruvananthapuram with the financial assistance from MNRE.

Delegates from various Govt. and Non Govt. organisations, industries, educational institutions, manufacturers of solar thermal devices etc. had participated in the programmes.

ANERT started 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 stake holders associating in various programmes.



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 2014-15

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

SI No	District	Location of Installation	Capacity (kWp)
1	Thiruvananthapuram	Kerala State Institute of Health and Family Welfare	15
2	Thiruvananthapuram	CWRDM, Neyyattinkara	4
3	Alappuzha	Cherthala Taluk Hospital	45
4	Thrissur	Irinjalkuda Municipality	25
5	Kozhikode	Thamarassery Grama Panchayath	3
6	Kannur	Kadannappally- Panappuzha Grama Panchayath	6
7	Kasaragod	Pullur-Peria Grama Panchayat	4

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

SI No	District	Location of Installation	Capacity (kWp)
1	Thiruvananthapuram	University of Kerala	100

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

SI No	District	Location of Installation	Capacity (kWp)
1	Thiruvananthapuram	Attingal Municipality	3
2	Palakkad	Kozhinjanpara Grama Panchayath	4

Total Additional Capacity achieved – 209 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 Statement FY ending on 31.03.2015 is appended herewith.



Annual Accounts for the year ended 31st March 2015 (Provisional)

**AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)
THIRUVANANTHAPURAM
PROVISIONAL BALANCE SHEET AS AT 31ST MARCH 2015**

PARTICULARS	SCH No.	As at 31.03.2015 Amount (in Rs.)
<u>SOURCES OF FUND</u>		
CAPITAL RESERVE	1	5,558,673.45
UNSPENT BALANCE OF PROJECT FUNDS		
ANERT Projects	2	267,940,908.85
TESM Projects	3	292,761,712.63
Other Projects	4	89,800,113.84
CURRENT LIABILITIES		
Sundry Creditor - Projects	5	72,767,196.70
Sundry Creditor - Expenses	6	117,850.00
Earnest Money Deposits	7	2,692,338.74
Security Deposit		736,978.00
Retention Money	8	25,780,994.67
Provisions and Outstanding Expenses	9	22,070,713.00
INCOME & EXPENDITURE	10	149,335,510.17
Total		929,562,990.05

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

PARTICULARS	SCH No.	As at 31-03-2015 Amount in (Rs.)
<u>APPLICATION OF FUND</u>		
FIXED ASSETS	11	94,211,871.66
CURRENT ASSETS		
Loans & Advances	12	9,607,978.39
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	818,349,774.79
Total		929,562,990.05

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 2015

PARTICULARS	SCH No.	As at 31.03.2015 Amount (in Rs.)
<u>INCOME</u>		
Non-Plan Grant- Govt. of Kerala		24,656,000.00
Renewable Energy Cell Income		11,236.00
Consultation Fee		1,824,357.00
Administrative Income		58,580.00
Application Fee		2,759,000.00
Interest on Deposits		6,131,238.00
Interest and Penalty		141,748.00
Inspection Charges		724,240.00
Processing Fee		25,000.00
Cost of Tender Form		811,582.00
Other Income		383,991.00
Total		37,526,972.00
<u>EXPENDITURE</u>		
Salaries & Allowances	17	51,715,111.00
Office Expenses		3,739,048.80
Travelling Expense		1,001,242.20
Vehicle Expense		239,801.00
Audit Fees		32,500.00
Legal Fees		118,274.00
Rent		1,207,019.00
Bank Charges		11,810.00
Other Expenses		-516,689.00
TESM Expenditure		1,882,797.00
Depreciation		6,031,193.00
Decrease (Increase) in Stock		-
<i>Excess of Income over Expenditure</i>		-27,935,135.00
Total		37,526,972.00

Thiruvananthapuram



For TEAM
Course
 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 31.03.2015

Schedule 1: CAPITAL RESERVE

PARTICULARS	As at 31.03.2015	As at 31.03.2014
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	317,609,023.85
b) Electrification using RED	-78,319,193.00
c) Integrated Solar Electrification Programme Surya Jyothi	93,653,975.00
d) New & Renewable Energy Programme of ANERT	-67,936,588.00
e) Resource Assessment of RE	4,955,275.00
f) Testing & Innovation of Lab Facilities	1,191,465.00
g) Training, Extension & Publicity	-3,211,232.00
Add: Asset Transferred to ANERT	27,850.00
Less : Repair & Maintenance SPV	29,667.00
Balance of Fund	267,940,908.85

a) Carry Over Projects

Particulars	For the year ended 31.03.2015	
Opening Balance		344,599,041.85
Fund Received		-
Expenditure		
Biogas (State) 2013-14	5,736,000.00	
Publicity, Extension and Training 2011-12	35,500.00	
Roof Top Solar Prog 2012-13	145,500.00	
Solar Street Lighting 2011-12	3,479,800.00	
Solar Thermal Prog 2013-14	1,006,500.00	
Solar Water Heater 2011-12	1,206,000.00	
Solar Water Heater 2013-14	880,000.00	
SPV Plant in Public Buldings 2013-14	386,578.00	
Subsidy for Program	231,000.00	
Unspend Plan Funs State 2011-12	13,744,000.00	
Wind Monitoring Stations 2011-12	114,740.00	
Wind Monitoring Stations 2013-14	24,400.00	
Balance of Fund	317,609,023.85	
Total	344,599,041.85	344,599,041.85





b) Electrification using RED

Particulars	For the year ended 31.03.2015	
Opening Balance		77,790,370.00
Fund Received		
Solar Off Grid Power Plant		117,000.00
Roof Top Solar Program		500,000.00
Expenditure Incurred		
Honorarium to Technical Team	2,834,750.00	
Solar Thermal Prog 2013-14	906,000.00	
Demo Solar Plants Pub Building 12-13	3,048,023.00	
Roof Top Solar Program	149,937,790.00	
Balance of Fund	-78,319,193.00	-
Total	78,407,370.00	78,407,370.00

c) Integrated Solar Electrification Programme Surya Jyothi

Particulars	For the year ended 31.03.2015	
Opening Balance		115,173,600.00
Fund Received		
Expenditure Incurred		
Solar Street Lighting	12,340,625.00	
Surya Jyothi Prog 2011-12	9,179,000.00	
Balance of Fund	93,653,975.00	-
Total	115,173,600.00	115,173,600.00

d) New & Renewable Energy Programme of ANERT

Particulars	For the year ended 31.03.2015	
Opening Balance		4,286,300.00
Fund Received		
Solar Lantern 13-14		26,338,644.00
Improved Chulha 13-14		230,486.00
Solar Water Heater 13-14		342.00
Expenditure Incurred		
Biogas Plant 13-14	863,666.00	
Biogas Plant 14-15	744,225.00	
Improved Chulha 12-13	1,866,000.00	
Improved Chulha 13-14	27,081,588.00	
Improved Chulha 14-15	2,468,500.00	
Solar Lantern 12-13	755,600.00	
Solar Lantern 13-14	51,492,145.00	
Solar Water Heater 13-14	12,358,136.00	
Project Implementation REP 13-14	1,162,500.00	
Balance of Fund	-67,936,588.00	-
Total	30,855,772.00	30,855,772.00





e) Resource Assessment of RE

Particulars	For the year ended 31.03.2015	
Opening Balance		4,992,575.00
Fund Received		-
Expenditure Incurred		
Wind Energy Projects	37,300.00	
Balance of Fund	4,955,275.00	-
Total	4,992,575.00	4,992,575.00

f) Testing & Innovation of Lab Facilities

Particulars	For the year ended 31.03.2015	
Opening Balance		1,191,465.00
Fund Received		-
Expenditure Incurred	-	
Balance of Fund	1,191,465.00	-
Total	1,191,465.00	1,191,465.00

g) Training, Extension & Publicity

Particulars	For the year ended 31.03.2015	
Opening Balance		-2,032,613.00
Fund Received		5,000.00
Expenditure Incurred		
Publicity , Exhibition	632,307.00	
Publicity , Exhibition, Extension 13-14	65,900.00	
Publicity , Exhibition, Extension 14-15	485,412.00	
Balance of Fund	-3,211,232.00	-
Total	-2,027,613.00	-2,027,613.00





**AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)
TOTAL ENERGY SECURITY MISSION
STATEMENT OF ACCOUNTS FOR THE YEAR 2014-15 (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	52,130,981.00
c) Knowledge Support Service	543,601.00
	292,700,772.50
Add: Asset Transferred to ANERT	60,940.13
Balance of Fund	292,761,712.63

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

Particulars	For the year ended 31.03.2015	
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 31.03.2015	
Opening Balance		61,875,190.00
Fund Received		-
Expenditure Incurred	9,744,209.00	
Balance of Fund	52,130,981.00	
Total	61,875,190.00	61,875,190.00

c) Knowledge Support Service

Particulars	For the year ended 31.03.2015	
Opening Balance		543,601.00
Fund Received		-
Expenditure Incurred	-	
Balance of Fund	543,601.00	
Total	543,601.00	543,601.00





**AGENCY FOR NON-CONVENTIONAL ENERGY AND RURAL TECHNOLOGY (ANERT)
STATEMENT OF ACCOUNTS FOR THE YEAR 2014-15 (PROJECT FUNDS)**

Schedule 4: OTHER PROJECTS

Total Fund Balance	Amount (in Rs)
a)Center Of Excellence	22,150,770.00
b) MNRE	
Remote Village Electrification Programme	-10,825,498.16
Battery Operated Vehicle- CFA	4,077,800.00
Depositwork CFA Subsidy	-3,354,350.00
Other MNRE Projects	77,744,733.00
c) Renewable Energy Cell	-740,513.00
	89,052,941.84
Add: Asset Transferred to ANERT	747,172.00
Balance of Fund	89,800,113.84

a)Center Of Excellence

Particulars	For the year ended 31.03.2015	
Opening Balance		29,316,180.00
Fund Received		-
Expenditure Incurred		
MRP Kuzhalmannam	7,165,410.00	
Balance of Fund	22,150,770.00	
Total	29,316,180.00	29,316,180.00

b) MNRE Central Finance Assistance

Remote Village Electrification Programme

Particulars	For the year ended 31.03.2015	
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 31.03.2015	
Opening Balance		284,000.00
Fund Received		5,748,000.00
Expenditure Incurred	1,954,200.00	
Balance of Fund	4,077,800.00	
Total	6,032,000.00	6,032,000.00

Deposit Work CFA Subsidy

Particulars	For the year ended 31.03.2015	
Opening Balance		-3,354,350.00
Fund Received		-
Expenditure Incurred	-	
Balance of Fund	-3,354,350.00	
Total	-3,354,350.00	-3,354,350.00





Other MNRE Projects

Particulars	For the year ended 31.03.2015	
Opening Balance		
Other MNRE Projects		5,023,088.00
CFA-Biogas Project		17,328,160.00
CFA-Publicity		41,381.00
SPV Power Plant		-4,391,858.00
CFA-RGAUD		-191,992.00
CFA- Solar Water Heater		-6,225,075.00
SPV Rooftop		-49,866,250.00
CFA for WRA studies		-2,738,984.00
Fund Received		
CFA-Biogas Project		18,789,150.00
CFA- Publicity		1,597,080.00
MNRE- Chulha		4,174,000.00
MNRE- Solar City Kochi		1,942,000.00
MNRE- SPV Water Pump		24,840,000.00
MNRE- UNDP-GEFCSHP		94,056.00
MNRE- Wind		517,000.00
Biogas MNRE 13-14		518,000.00
CFA- RGAUD		480,000.00
CFA- Roof TOP SPV Program		187,400,000.00
Expenditure Incurred		
Solar Off Grid Power Plant Prog 11-12	900,465.00	
CFA-Expense Biogas	9,302,436.00	
RGAUD Expense	342,452.00	
CFA- Roof TOP SPV Program	110,199,078.00	
Accrued Interest on MNRE Fund	22,051.00	
Interest on CFA 2012-13	169,146.00	
Unspend Plan Fund MNRE 2012-13	649,395.00	
Balance of Fund	77,744,733.00	
Total	199,329,756.00	199,329,756.00

c) Renewable Energy Cell

Particulars	For the year ended 31.03.2015	
Opening Balance		-740,513.00
Fund Received		-
Expenditure Incurred	-	
Balance of Fund	-740,513.00	
Total	-740,513.00	-740,513.00





Schedule 5: Sundry Creditor - Projects

Particulars	As at 31.03.2015
Deposit Work	
2KW Power Plant. Govt. Poly	495,000.00
Ambalavayal,Wyd	-110,981.00
Anad Gp	262,500.00
Aralam Wild Life Division, Iritty	836,000.00
Aryad Grama Panchayat	836,000.00
Attingal Municipality	105,000.00
Bekal Tourism KSGD	223,125.00
Biogas -PTC	5,000.00
BL0CK PANCHAYAT	1,840,058.00
Center for Earth Studies	197,772.00
Chelannur Bp at CHC Narikuni	836,000.00
Chelanoor Block Panchayt KKD	836,000.00
Chengottukavu Grm. Pan.	1,087,500.00
CHETTACHAL,VITHURA	174,000.00
Chettikulangara G.P.	18,070.00
CHIRAKKAL GP	836,000.00
Coir Board CCRI	127,640.00
Community Health Centre- Vadakkancheri	77,726.00
CWRDM Sub Centre TVPM	836,000.00
CWRDM,KOZHICODE	2,200,000.00
Dist. Live Stock Farm	84,666.00
District Hospital Kottayam	15,000.00
Divisional Forest Office, Palakkad	75,000.00
DTPC - KANNUR	1,458,625.00
DW- CESS	-193,650.00
ELERITHETT,KSGD	2,090,000.00
ERINJOLI GPT	627,000.00
Fathimagiri Social Service Centre	152,000.00
Forest Off TVPM	150,000.00
GHMCH Calicut	997,000.00
GLPS Thuliyoor	100,000.00
Govt Engineering College Kannur-Bio Gas	97,556.00
Govt Homeopathic Medical College	92,164.00
Govt. Ayurveda Colleg KNR	59,500.00
Govt. Law Collage KKD	1,881,000.00
Govt. Mental Health Centre	1,045,000.00
Iringalakuda Block Panjayath	187,500.00
Iringalakuda Municipality	-2,740,000.00
Kadanadu Gp	726,000.00
Kadukutty Gram. Pancha.	297,500.00
Kalanjoor GP	418,000.00
Kallara Grama Panchayat	120,000.00
Kannur Block Panchayat	1,045,000.00
Kannur Govt. Polytechnic Collge	104,125.00
Kasaragod Govt. College	2,200,000.00
Keezhmadu Gramapanchayath	459,800.00
Kerala Agricultural University	186,897.00
Kodakara Block Panchayat	1,254,000.00
Koduvally G.P	525,000.00
Konni Block Panchayat	2,090,000.00
KSEB TVPM	5,600,000.00
KSIHFW, THYCAUD	2,800,000.00
Kulasekaram Grama Panchayat, Kollam	418,000.00
Kumili G.P	2,100,000.00
KURISUMMOOTTIL,KZD	-28,850.00
Literacy Mission Palakkad	29,964.00
M/s CAPEX	3,399,803.00
Malankara Plantations	96,301.00
Malappuram DP -Solar Fencing	-2,769,944.00
Mathilakam Block Panchayat	1,045,000.00





Mental Health Centre, Tvpm.	571,500.00
Paippad GP	200,000.00
Paloramala SC Colony	337,500.00
Panapuzha Grama Panch	1,254,000.00
Periya Grama Panchayath	836,000.00
PIG PROD&RES	-367,133.00
Ranni Angadi GP	472,500.00
SC ST Department	1,000,000.00
Scheduled Caste Development Program	27,300.00
Sholayar GP	25,000.00
SPV POWER PLANT IN PUBLIC BUILDING 2012-13	-1,145,500.00
Taluk Hospital, Perambra	418,000.00
Thamarassery Gramapanchayath	627,000.00
Thrikkadavoor GP	627,000.00
Trikkur G.P	627,000.00
University of Kerala	10,000,000.00
Uzhavoor Grama Panchayat KTM	199,250.00
Vakkom Municipality	648,200.00
Valakam Grama Panchayat	375,000.00
Vazhapalli Grama Panchayat	418,000.00
Vengara Block Panchayat	300,000.00
Vengola Grama Panchayat	418,000.00
VETENIARY UNIVERSITY	600,000.00
Vijayapuram GP	100,000.00
Village Extn Officer Alappad B Circle	110,000.00
Waynad DP - Solar Fencing Work	372,203.00
	59,064,187.00
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
Secratery SEZ Kochin	775,041.00
World Institute of Sustainable Energy	524,159.00
Sundry Creditors-Others	1,156,405.54
	13,703,009.70
Total	72,767,196.70

Schedule 6: Sundry Creditor - Expenses

Particulars	As at 31.03.2015
5% output Tax	12,500.00
Audit fees Payable	40,000.00
Sales Tax Payable - ANERT	-18,071.00
TDS on Salary	-137,371.00
TDS on Contracts	307,470.00
TDS on Professional & Consultancy Charge	-173,120.00
TDS on Rent	45,261.00
Labour Welfare Contribution	41,181.00
Total	117,850.00

Schedule 7: Earnest Money Deposit

Particulars	As at 31.03.2015
Others	2,692,338.74
	2,692,338.74





Schedule 8: Retention Money

Particulars	As at 31.03.2015
Cyber Motion Technologies- Retention Money	190,000.00
Ramakrishna Iron Works - Ret Money	56,450.00
Retention Money-Others	25,534,544.67
Total	25,780,994.67

Schedule 9: Provisions & Outstandings

Particulars	As at 31.03.2015
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	4,075,847.00
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	500,000.00
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
Total	22,070,713.00

Schedule 10: Income & Expenditure

Particulars	As at 31.03.2015
Balance as per Last Balance Sheet	177,270,645.17
Add: Excess of Income over Expenditure during the year	-27,935,135.00
A	149,335,510.17
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)	149,335,510.17

Schedule 12: Loans and Advances

Particulars	As at 31.03.2015
Project Advance District Office ANERT	i -31,754,304.61
Project Advance District Office TESM	ii 2,563,687.50
Staff Work Advances	iii 554,658.00
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 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
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	9,607,978.39

Schedule 13: Inventory

Particulars	As at 31.03.2015
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 31.03.2015
Fuel Deposit	10,000.00
Security Deposit	45,500.00
Total	55,500.00

Schedule 15: Cash In Hand

Particulars	As at 31.03.2015
Cash in Hand	0.08
Total	0.08

Schedule 16: Bank Balances

Particulars	As at 31.03.2015
SBT Kuzhalmandam A/c No.67020172286	6,470,951.00
SBT Palakkad	1,000.00
SBT Pattom 57009363167	182,586,181.69
SBT Pattom 67053058032	31,566,768.70
SBT PATTOM 67250668543	(1,474,330.00)
SBT -Pattom A/c 57009348504	530,500.00
SBT-Pattom A/c 67058828463	2,754,444.00
SBT PATTOM A/C. NO.67242882331	5,258,002.00
SBT Pattom A/C No. 67270901214	31,773.00
Treasury Deposit A/c	115,537,899.00
TSB-TPA 14905	0.40
TSB -TPA 864	475,086,585.00
Total	818,349,774.79





Schedule 17: Salaries & Allowances

Particulars	As at 31.03.2015
Salary	36,212,690.00
Salary Arrears	1,483,332.00
Surrender Leave Salary	2,688,157.00
Wages	4,956,130.00
Honorarium	248,501.00
Pension Contribution	689,213.00
Festival Allowance	705,580.00
Employer's Contribution-Welfare Fund	-1,305.00
Employer's Contribution-EPF	762,214.00
EPF Administrative Charges	76,149.00
Epf Employees Share	2,466,086.00
Gratuity	1,428,364.00
Total	51,715,111.00





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

Schedule 11: Fixed Asset as on 31.03.2015

Particulars	WDV as on 31.03.2014	Addition during the year		Total as on 31.03.2015	Depreciation		WDV as on 31.03.2015
		Before 28.09.2014	After 28.09.2014		Rate (%)	Amount (Rs.)	
ANERT							
Computer	24.14	-	521,825.00	521,849.14	60%	156,562.00	365,287.14
Cycle	9.48	-	-	9.48	15%	1.00	8.48
Digital Copier	-	61,286.00	-	61,286.00	60%	36,772.00	24,514.00
Electrical Fittings	3,758.73	-	-	3,758.73	10%	376.00	3,382.73
Field Equipments	5.26	-	-	5.26	15%	1.00	4.26
Furniture & Fittings	4,463,936.80	4,404,504.00	305,883.00	9,174,323.80	10%	902,138.00	8,272,185.80
HQ Building	-	82,125.00	86,626,496.00	86,708,621.00	10%	4,339,537.00	82,369,084.00
Library and Documentation	448.16	-	-	448.16	60%	269.00	179.16
Machinery & Equipments	76,011.93	-	-	76,011.93	15%	11,402.00	64,609.93
Motor Car Ford Fiesta	362,306.36	-	-	362,306.36	15%	54,346.00	307,960.36
Office Equipments	158,293.68	100,303.00	1,710.00	260,306.68	15%	38,918.00	221,388.68
Printer & Scanner	14,955.00	19,399.00	4,000.00	38,354.00	60%	21,812.00	16,542.00
Telephone	2,004.89	-	-	2,004.89	15%	301.00	1,703.89
Vaccum Cleaner	2,786.72	-	-	2,786.72	15%	418.00	2,368.72
Vehicle	17,880.56	-	-	17,880.56	15%	2,682.00	15,198.56
Water Purifier and Dispenser	765.30	-	-	765.30	10%	77.00	688.30
Total (A)	5,103,187.01	4,667,617.00	87,459,914.00	97,230,718.01		5,565,612.00	91,665,106.01
PROJECTS							
Air Conditioner	6,401.82	36,800.00	-	43,201.82	60%	25,921.00	17,280.82
Arc GIS 9.3 Software -TESM	13,312.00	-	-	13,312.00	60%	7,987.00	5,325.00
Battery Operated Van	118,354.47	-	-	118,354.47	15%	17,753.00	100,601.47
Books	23,972.23	-	-	23,972.23	15%	3,596.00	20,376.23
Book Shelf	3,476.46	-	-	3,476.46	10%	348.00	3,128.46
CAD Software	10,490.81	-	-	10,490.81	60%	6,294.00	4,196.81
Computer - Projects	80,690.60	-	-	80,690.60	60%	48,414.00	32,276.60
Data Card.	753.18	-	-	753.18	15%	113.00	640.18
Dspace Application	12,544.00	-	-	12,544.00	60%	7,526.00	5,018.00
DVD Player	228.83	-	-	228.83	15%	34.00	194.83
Energy Saving Equipments	4,392.86	-	-	4,392.86	15%	659.00	3,733.86
Fax Machine	29,687.92	-	-	29,687.92	15%	4,453.00	25,234.92
Field Equipments-Project	3,004.20	-	-	3,004.20	15%	451.00	2,553.20
Fire Extinguisher	22,823.33	-	-	22,823.33	15%	3,423.00	19,400.33
Furniture & Fitting	1,166,395.63	-	-	1,166,395.63	10%	116,640.00	1,049,755.63
Machinery & Equipments -Project	208,202.59	-	-	208,202.59	15%	31,230.00	176,972.59
Multimedia Projector	541,830.41	-	-	541,830.41	15%	81,275.00	460,555.41
Office Equipments - Projects	53,653.84	-	-	53,653.84	15%	8,048.00	45,605.84
TALLY 9 SILVER	1,953.48	-	-	1,953.48	60%	1,172.00	781.48
Tools and Equipment	-	72,166.00	-	72,166.00	15%	10,825.00	61,341.00
UPS 2KVA	431,224.74	-	-	431,224.74	15%	64,684.00	366,540.74
UPS 5KVA	153,433.77	-	-	153,433.77	15%	23,015.00	130,418.77
VACCUUM CLEANER-PROJECT	1,285.77	-	-	1,285.77	15%	193.00	1,092.77
Water Purifier & Dispenser	15,267.71	-	-	15,267.71	10%	1,527.00	13,740.71
Total (B)	2,903,380.65	108,966.00	-	3,012,346.65		465,581.00	2,546,765.65
Grand Total (A+B)	8,006,567.66	4,776,583.00	87,459,914.00	100,243,064.66	-	6,031,193.00	94,211,871.66
Figures as on 31.03.2014	4,507,096.66	14,842.00	4,465,633.00	8,987,571.66		981,004.00	8,006,567.66





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

SUB SCHEDULES

i. PROJECT ADVANCE DO-ANERT

PARTICULARS	Amount (in Rs.)
Alappuzha	(3,494,758.00)
Ernakulam	1,958,348.00
Idukki	(679,105.00)
Kannur	(527,913.00)
Kasargod	(1,312,425.80)
Kollam	(1,484,792.00)
Kottayam	(2,144,868.01)
Kozhikkode	(2,381,254.22)
Malappuram	(4,061,783.25)
Palakkad	(7,030,444.00)
Pathanamthitta	(3,525,366.10)
Thiruvananthapuram	(866,251.00)
Thrissur	(520,047.40)
Wayanad	(5,683,644.83)
	(31,754,304.61)

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	20,000.00
Chandrabose P	50,900.00
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	7,932.00
Anil Kumar B. Store Keeper	7,016.00
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	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	64,108.00
Jayamohan J M	(52,731.00)
Joseph George	69,508.00
Kamala Devi	20,219.00
K.G. Kala	4,379.00
K. Vincent	10,064.00
Madhu S	15,091.00
Manoharan J	30,225.00
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	18,692.00
Rajasekharan Nair V	1,315.00
Rajesh R	(10,501.00)
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	23,200.00
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
	554,658.00





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





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