

MITCON

One Stop Energy Saving Solution Consultant

ENERGY EFFICIENCY & CONSERVATION CONSULTANCY SERVICES : A PROFILE

1.0 Services Offered

1.1 Energy Audit / Conservation & Management Services

- Project / plant / process detailed energy audits and implementation assistance
- Energy audit instrument hiring services
- Equipment wise energy audits and performance tests
- Demand side management studies

1.2 Energy Conservation / Efficiency Project Services

- Third party certification / monitoring & verification of energy efficiency projects and energy efficient products / equipments
- Assistance in performance contracting for energy efficiency projects with vendors
- Soft loan and subsidy syndication services for implementation of energy efficiency / conservation projects / equipments
- Basic and detailed engineering services for tailor-made energy conservation projects
- Pre-investment, pre-contract and post-contract project management consultancy services for energy efficiency / conservation projects
- Consultancy / facilitation services for carbon credits from energy efficiency projects

1.3 Macro / Other Services

- Benchmarking studies
- Corporate energy planning & energy costing
- Recommendation of energy mix / purchase policy for optimum energy costs
- Technology sourcing for energy efficiency / conservation projects
- Macro and policy studies
- Capacity building and customized training packages
- Safety and maintenance audits

1.4 Energy Service Company (ESCO) Services

- Implementation assistance for energy saving projects / systems on either energy saving – sharing basis or guaranteed energy saving basis or deferred payment

2.0 Credentials

- Dedicatedly working for promotion, development, implementation and follow through for improvement in energy efficiency & conservation, since last 22 years.
- “Boiler Room to Board Room” approach: Comprehensive consultancy services under one roof.
- Leading energy auditor for various sectors like industrial, Government and commercial.
- Proven track record of more than 900 energy audits, safety audit, water audit, DSM studies, bench marking studies, PAT advisory, implementation assistance and other related assignments in various sectors, undertaken in India, Thailand, Indonesia, Bahrain, Nepal, Spain, Belgium and Seychelles.
- Experienced and dedicated team of professionals
- State of art & latest energy audit measuring instrument kits
- In-house detailed design & engineering lab.
- Bureau of Energy Efficiency (BEE) accredited MITCON as Accredited / Certified Energy Auditor and Energy Service Company (ESCO) : CARE Grade 01 Rating (Highest Ability)
- Empanelled Consultants with –
 - ✓ Bureau of Energy Efficiency : Certified / Accredited Energy Auditors
 - ✓ Bureau of Energy Efficiency : Empanelled Energy Service Company (ESCO) - CARE 01 Rating (Highest Ability)
 - ✓ Energy Efficiency Services Ltd. : Energy Auditor
 - ✓ Petroleum Conservation Research Association : Energy Auditor
 - ✓ Maharashtra Energy Development Agency : Energy Auditor
 - ✓ Gujarat Energy Development Agency : Energy Auditor
 - ✓ Electrical Contractors from Energy & Petrochemicals Dept, Gujarat State
 - ✓ Chief Electrical Inspector of Gujarat : Energy Auditor
 - ✓ New & Renewable Energy Development Corporation of Andhra Pradesh Ltd. : Energy Consultant
 - ✓ Chhattisgarh State Renewable Energy Development Agency : Energy Auditor / Consultant
 - ✓ Bank of India
 - ✓ Life Insurance Corporation
 - ✓ India SME Technology Services Ltd.
 - ✓ Directorate of Energy, Government of Himachal Pradesh : Energy Auditor / Firms-Presentation
 - ✓ Energy Management Center, Kerala

**ENERGY EFFICIENCY & CONSERVATION
 CONSULTANCY SERVICES : A PROFILE**

3.0 List of Energy Audit Instruments at Pune Office

Sr. No.	Instrument Name	Features	Energy Audit Kit No. 1		Energy Audit Kit No. 2	
1.	Demand Analyzer & Energy Explorer - Quantity – 2 nos.	<ul style="list-style-type: none"> Suitable for three phase and single phase measurements Continuous measurement of 156 electrical parameters like voltage, current, frequency, harmonics distortion, active & reactive power, power factor etc. Compatible to PC for data downloading 				
2.	Clamp on Power Meter & Portable Digital Power Analyser - Quantity – 8 nos.	<ul style="list-style-type: none"> Instantaneous three & single phase electrical measurements like active & reactive power, frequency, power factor, phase angle, voltage, current etc. 	0 - 1200 kW 0 - 600 Voltage, AC 0 - 800 Voltage, DC 0 - 2000 A, Current, AC / DC		0 - 750 kW 0 - 600 Voltage, AC 0 - 600 Voltage, DC 0 - 1000 A, Current, AC / DC	
3.	Photo Tachometer - Quantity – 2 nos.	<ul style="list-style-type: none"> Rotation measurements Non contact type Contact type 	Range Accuracy	0 - 1,00,000 rpm +/- 0.05%	Speed Range i. Photo Tach. ii Contact Tach. iii. Accuracy	2.5 – 99,999 rpm 0.5 – 19,999 rpm +/- 0.05%
4.	Lux Meter - Quantity – 2 nos.	<ul style="list-style-type: none"> Light intensity measurements Digital display Non contact type 	Lux level Accuracy	0 - 50,000 lux +/- 0.5%	Lux level Accuracy	0 – 2,00,000 lux +/- 0.5%
5.	Thermo Anemometer - Quantity – 2 nos.	<ul style="list-style-type: none"> Wind velocity measurements Wind temp. measurements 	Velocity Temp.	0 - 45 m / sec. 0 – 60 °C	Velocity Temp.	0 - 45 m / sec. 0 – 60 °C

Sr. No.	Instrument Name	Features	Energy Audit Kit No. 1		Energy Audit Kit No. 2	
6.	Ultrasonic Flow Meter & Dual Frequency Portable Doppler Flow Meter Quantity – 3 nos.	<ul style="list-style-type: none"> Water flow measurement Non contact type 	Flow range Pipe size Fluid Accuracy	0 – 15 m/sec. 25 – 7500 mm Homogeneous liquids without gas bubbles +/- 0.5%	Flow range Pipe size Fluid Accuracy	0.06 – 10 m/sec. 12 – 5000 mm It can accept turbidity samples upto 5000 mg/ liter such as ground water remediation flow, contaminated ground water, sewage treatment flow, raw sewage flow transmitters, sewage plant flow meters, pump protection flow switches, wastewater and treatment flow meters, slurries and slurry flow measurements, sludge velocity meters, abrasives +/- 0.5%

Sr. No.	Instrument Name	Features	Energy Audit Kit No. 1		Energy Audit Kit No. 2	
7.	Flue Gas Analyzer - Quantity – 2 nos.	<ul style="list-style-type: none"> Displays % O₂, stack temp. & CO Calculates % CO₂, % excess air and boiler efficiency Holds readings for six samples 	O ₂ CO Temp. Fuel selection Accuracy	0 to 20.9 % 0 to 4000 ppm 350 °C (Max.) FO, LSHS, LDO, Natural gas, Biogas, Husk, Coal O ₂ +/- 0.5% CO +/- 50 ppm	O ₂ CO Temp. Fuel selection Accuracy	0 to 21 % 0 to 10000 ppm 600 °C FO, LSHS, LDO, Natural gas, Biogas, Husk, Coal O ₂ +/- 0.5% CO +/- 50 ppm
8.	Infrared Thermometers - Quantity – 2 nos.	<ul style="list-style-type: none"> Measurement of surface temp. which are unsuitable for traditional contact measurement methods Non contact type 	Range	- 40 °C to 800 °C	Range	- 40 °C to 800 °C
9.	Relative Humidity and Temperature Indicator - Quantity – 2 nos.	<ul style="list-style-type: none"> RH measurement Temperature measurement 	RH Temp.	10 to 95% 0 – 65 °C	RH Temp.	10 to 95% 0 – 65 °C
10.	Thermal Imager - Quantity – 1 no.	<ul style="list-style-type: none"> Thermal images Temperature profile curves Histograms 	--	--	Temp. Range Accuracy	- 10 to 350 °C +/- 2 °C

Sr. No.	Instrument Name	Features	Energy Audit Kit No. 1		Energy Audit Kit No. 2	
11.	Global Positioning system - Quantity – 1 no.	<ul style="list-style-type: none"> Map & way point manager for transferring waypoint Route and track data between GPS and PC 	--		10,000 point track & stores 1000 waypoint & 50 routes	
12.	Digital Earth Resistance Tester - Quantity – 1 no.	<ul style="list-style-type: none"> Earth resistance 	--		Range	0 – 20/200/2000 ohm
13.	Digital Thermo Hygro Meter - Quantity – 1 no.	<ul style="list-style-type: none"> Temperature & humidity display 	--		Temp. Range Humidity Range	10 – 60 °C 20 – 95 % RH
14.	Digital Pitot Tube - Quantity – 1 no.	<ul style="list-style-type: none"> Precise differential pressure measurement Built-in density compensation 	--		Pressure Velocity Range	0 to 100 hpa 5 to 100 m/s
15.	Ultrasonic Leak Detector - Quantity – 1 no.	<ul style="list-style-type: none"> Detects & locates Pressure or vacuum leak Air leak detection Leak of any gas Leak in a pressureless system Bearing noise Non contact type 	Sensing distance	Leak at 5 psi through 0.01 mm dia orifice from a distance of 30 to 40 feet	--	--
			Battery backup	80 hours		

Sr. No.	Instrument Name	Features	Energy Audit Kit No. 1		Energy Audit Kit No. 2	
16.	Water Analyzer - Quantity – 1 no.	<ul style="list-style-type: none"> Displays conductivity, TDS, pH and temperature Automatic temperature compensation Holds reading even after taking unit out of water Special probes assures reading taking from shorter distance 	pH Conductivity TDS Temp. Battery life Accuracy	0 - 14 0 - 20,000 μ S 0 - 14000 ppm 0 – 80 °C 19 hrs. +/- 1%	--	--
17.	Hot Wire Anemometer	<ul style="list-style-type: none"> Thermal anemometer for very low velocity measurement Precise measurement Records maximum and minimum reading with recall 	Air velocity Temperature Accuracy Operating humidity less than	0.2 to 20 m/s 0 to 50 °C +/- 5% 80%	Air velocity Temperature Accuracy Operating humidity less than	0.2 to 20 m/s 0 to 50 °C +/- 5% 80%
18.	Stop Watch - Quantity – 1 no.	<ul style="list-style-type: none"> Time Measurement 	--	--	--	--
19.	Altimeter - Quantity – 4 nos.	<ul style="list-style-type: none"> Head Measurement 	--	--	--	--
20.	Pressure Gauges - Quantity – 5 nos.	<ul style="list-style-type: none"> Pressure Measurement 	--	--	--	--

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4.0 List of Energy Audit Instruments at New Delhi Office

Sr. No.	Instrument Name	Features	Energy Audit Kit No. 1	
1.	Demand Analyzer & Energy Explorer - Quantity – 1 no.	<ul style="list-style-type: none"> Suitable for three phase and single phase measurements Continuous measurement of 156 electrical parameters like voltage, current, frequency, harmonics distortion, active & reactive power, power factor etc. Compatible to PC for data downloading 		
2.	Clamp on Power Meter & Portable Digital Power Analyser - Quantity – 1 no.	<ul style="list-style-type: none"> Instantaneous three and single phase electrical measurements like active and reactive power, frequency, power factor, phase angle, voltage, current etc. 	0 - 1200 kW 0 - 600 Voltage, AC 0 - 800 Voltage, DC 0 - 2000 A, Current, AC / DC	
3.	Photo Tachometer - Quantity – 1 no.	<ul style="list-style-type: none"> Rotation measurements Non contact type Contact type 	Range Accuracy	0 - 1,00,000 rpm +/- 0.05%
4.	Lux Meter - Quantity – 1 no.	<ul style="list-style-type: none"> Light intensity measurements Digital display Non contact type 	Lux level Accuracy	0 - 50,000 lux +/- 0.5%
5.	Vane Type Anemometer - Quantity – 1 no.	<ul style="list-style-type: none"> Wind velocity measurements Wind temp. measurements 	Velocity	0 - 45 m / sec. 0 – 60 °C
6.	Ultrasonic Flow Meter - Quantity – 1 no.	<ul style="list-style-type: none"> Water flow measurement Non contact type 	Flow range Pipe size Fluid Accuracy	0 – 15 m/sec. 25 – 7500 mm Homogeneous liquids without gas bubbles +/- 0.5%

Sr. No.	Instrument Name	Features	Energy Audit Kit No. 1	
7.	Flue Gas Analyzer - Quantity – 1 no.	<ul style="list-style-type: none"> Displays % O₂; stack temp. & CO Calculates % CO₂, % excess air and boiler efficiency Holds readings for six samples 	O ₂ CO Temp. Fuel selection Accuracy	0 to 20.9 % 0 to 4000 ppm 350 °C (Max.) FO, LSHS, LDO, Natural gas, Biogas, Husk, Coal O ₂ +/- 0.5% CO +/- 50 ppm
8.	Infrared Thermometer - Quantity – 1 no.	<ul style="list-style-type: none"> Measurement of surface temp. which are unsuitable for traditional contact measurement methods Non contact type 	Range	- 40 °C to 800 °C
9.	Relative Humidity and Temperature Indicator - Quantity – 1 no.	<ul style="list-style-type: none"> RH measurement Temperature measurement 	RH Temp.	10 to 95% 0 – 65 °C
10.	Thermal Imager - Quantity – 1 no.	<ul style="list-style-type: none"> Thermal images Temperature profile curves Histograms 	--	--
11.	Digital Thermo Hygro Meter - Quantity – 1 no.	<ul style="list-style-type: none"> Temperature & humidity display 	--	--
12.	Digital Pitot Tube - Quantity – 1 no.	<ul style="list-style-type: none"> Precise differential pressure measurement Built-in density compensation 	--	--
13.	Ultrasonic Leak Detector - Quantity – 1 no.	<ul style="list-style-type: none"> Detects & locates - Pressure or vacuum leak, Air leak detection, Leak of any gas, Leak in a pressure less system, Bearing noise, Non contact type 	Sensing distance Battery backup	Leak at 5 psi through 0.01 mm dia orifice from a distance of 30 to 40 feet 80 hours
14.	Stop Watch - Quantity – 1 no.	<ul style="list-style-type: none"> Time measurement 	--	--

Sr. No.	Instrument Name	Features	Energy Audit Kit No. 1
15.	Portable Ultrasonic Gas Flow Meter - Quantity – 1 no.	<ul style="list-style-type: none"> • Gas flow meter for natural gas for 3/4" to 12" • Process temp range - 40 to 230°C • Temperature range - 160 to 260°C (-256 to 500° F), per tub • Process temp range - 40 to 230°C for 2 x pipe circumference, 9 inches wide, maximum temperature 150°F (66°C). 12 inch pipe 	PT878GC
16	Vibration Analyzer meter - Quantity – 1 no.	<ul style="list-style-type: none"> • Vibration monitoring • Frequency range - 10Hz to 1 kHz • Velocity range – 200 mm/s • Acceleration range – 200 m/s² • Accuracy +/- (5% + 2D) 	VB-2801HA
17	LCR meter - Quantity – 1 no.	<ul style="list-style-type: none"> • Used for checking capacitance / resistance & impedance • Temperature range - 20 to 750°C • Input impedance - 1M OHM • Accuracy- +/- (2%rdg + 3 %dgts) 	

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5.0 List of Energy Audit Instruments at Ahmedabad Office

Sr. No.	Instrument Name	Make	Model	Range	Accuracy	Features
1	Infrared Gun	Fluke	62mini	-30 to 500 °C	± 1% °C	Emissivity- Preset 0.95, Respond Time- <500 mSec, Ambient Operating Range- 0 to 50 °C, Lesser Clas-II, Resolution-0.2 °C, Distance to Spot Size- 10:1 Calculated @ 80 % Energy, Wave length- 630 to 670 nm
2	Digital Lux Meter	Testo	testo540	0-50000 Lux	± (5%+2d)	Display-18 mm, Sampling Time-0.4 Sec., Operating Temp.- 0 to 50 °C, Humidity- Less than 80%,, Power Supply- DC 9V Battery
3	NANOVIP-1	Elcontrol Energy	Nanovip Plus	0-600 V AC/DC, 0-1000 A	0.3 % FS+ 0.3 % Rdg	Voltage - 600V AC/DC, Frequency- 0Hz to 600 Hz, Power Values- (W, VA, Var, PF, CosØ), Energies-(Kwh, kVAh, kVArh), Harmonics- Up to 24th, THD, Memory 1 GB, Power Supply- 1.5 V Battery cell, Ambient Temp. Range- 10 to 50 °C
4	200 A CT	Elcontrol Energy	Elcontro I Energy	0-200 A		
5	5 A CT	Elcontrol Energy	Elcontro I Energy	0-5 A		
6	1000 A CT	Elcontrol Energy	C107EL	3-1000 A		ID-50 mm
7	Energy Explorer Power Analyser 3 Phase	Krykard	ALM 35			Voltage - 10V to 1000V AC/DC, Frequency- 40Hz to 69 Hz, Power Values- (W, VA, Var, PF, DPF, CosØ, tanØ), Energies-(Kwh, kVAh, kVArh), Harmonics- Up to 50th Order Phase wise, THD, Transients-300, Flicker, Inrush mode, Unbalances, Memory 2 GB, Waveforms displayed, Battery back-up up to 8 hr,

Sr. No.	Instrument Name	Make	Model	Range	Accuracy	Features
8	1000 A CT	Krykard	C193	3 to 1000A AC	±0.3 %	ID-50 mm
9	1000 A CT	Krykard	C193	3 to 1000A AC	±0.3 %	ID-50 mm
10	1000 A CT	Krykard	C193	3 to 1000A AC	±0.3 %	ID-50 mm
11	1000 A CT	Krykard	C193	3 to 1000A AC	±0.3 %	ID-50 mm
12	100 A-5 A	Krykard	MN 93 A	5A to 100 A AC	± 1%	ID-20 mm
13	100 A-5 A	Krykard	MN 93 A	5A to 100 A AC	± 1%	ID-20 mm
14	100 A-5 A	Krykard	MN 93 A	5A to 100 A AC	± 1%	ID-20 mm
15	100 A-5 A	Krykard	MN 93 A	5A to 100 A AC	± 1%	ID-20 mm
16	Amp FLEX	Krykard		10 A to 6500 A AC	± 2%	Length 450 mm, ID-140 mm
17	Amp FLEX	Krykard		10 A to 6500 A AC	± 2%	Length 450 mm, ID-140 mm
18	Amp FLEX	Krykard		10 A to 6500 A AC	± 2%	Length 450 mm, ID-140 mm
19	Amp FLEX	Krykard		10 A to 6500 A AC	± 2%	Length 450 mm, ID-140 mm

Sr. No.	Instrument Name	Make	Model	Range	Accuracy	Features
20	Flue Gas Analyzer	ACE	ACE-9000	O ₂ - 0 to 21%, CO - 0 to 5000 PPM, CO ₂ - 0 to 21%, EA- 0 to 850%, SO ₂ -0 to 5000 PPM, NO ₂ -0 to 5000 PPM, Effi.- 0 to 100 %, Thermocouple- 0 to 600 °C	O ₂ - ±2 %, CO- ± 2%, CO ₂ - ±5%, EA- ±1 %, SO ₂ - ± 2%, NO ₂ - ± 2%, Effi.- ± 0.1 %, Temp. ± 3%	8 Character Dot matrix display, Membrane polycarbonate key board, Power Supply- 9V Dry Cell with Chargeble
21	Flue Gas Probe	ACE		0 to 600 °C		Soitable for 0 to 600 °C temp., 30 cm rigid section with paper plug, 2 mtr. Flexible cable
22	Digital Thermometer	CIE	305	-50 to 1300 °C	± (0.3 % rdg+ 1°C)	4- foot type "K" thermocouple bead probe (teflon tap insulated), Probe Accuracy ± 0.75 % of Reading, Ambient operating range 0 to 50 °C, Relative Humidity- 0 to 80%, 3" LCD Display, Power Supply- 9 V Battery cell

23	Digital Clamp Meter	Meco	3150	0-1000 A AC, 0- 1000 V DC, 0-750 V AC, 40Ω to 40MΩ, 0-50 Hz, 40nf to 100μF	± 2% in A, ± 0.7 % in DCV, ± 1% in ACV, ± 1.2% in Ω, ± 0.5% in Hz, ± 5% in μF	Continuity check 40 Ω, Diode Test- 1 mA, 3 ^{3/4} LCD Display, Measurement Rate- 3 times per sec, Operating Environment- 0 to 50 °C, < 70% R.H, Maximum Jaw Opening- 43 mm Dia. & Flats 65mm x 16 mm, Power Supply- 1.5 V "AAA" Size battery.
24	Digital Insulation Tester	Meco	DIT 99E	1000 V		
25	Digital Earth Tester	Waco	1000oh ms range	0-1000 Ω		
26	1000 A CT	Elcontrol Energy	C 107	3-1000 A		ID-50 mm
27	200 A CT	Elcontrol Energy	Elcontr ol Energy	0-200 A		
28	5 A CT	Elcontrol Energy	Elcontr ol Energy	0-5 A		
29	NANOVIP-2	Elcontrol Energy	Nanovi p Plus	0-600 V AC/DC, 0- 1000 A	0.3 % FS+ 0.3 % Rdg	Voltage - 600V AC/DC, Frequency- 0Hz to 600 Hz, Power Values- (W, VA, Var, PF, CosØ), Energies-(Kwh, kVAh, kVArh), Harmonics- Up to 24th, THD, Memory 1 GB, Power Supply- 1.5 V Battery cell, Ambient Temp. Range- 10 to 50 °C

Sr. No.	Instrument Name	Make	Model	Range	Accuracy	Features
30	Vane Type Anemometer	Amprobe	TMA10 A	0.4 to 25 m/s, 0 to 50 °C	± 2% of full Scale and ± 0.8 °C	4 digit LCD Display, Air velocity/ floe sensor:Conventional angled van arms with low-friction ball bearing. Temp. sensor: Precision thermister, Operating Temp. 0 to 50 °C, Operating Humidity Max. 80% RH, Power Supply- 9 V Battery
31	Contact Thermometer	testo	Testo9 25	-50 to 1000 °C	± 0.5 % + 0.7 °C	Type "K" thermocouple , Ambient operating range 0 to 50 °C, Relative Humidity- 0 to 80%, LCD Display, Power Supply- 9 V Battery cell
32	Temp. & Humidity Meter	testo	Testo 610	-10 to 50 °C, 0 to 100 % RH	± 0.5 °C, ± 2.5 % RH	Protection Class- IP20, Ambient Temp. -10 to 50 °C, Power Supply- 1.5 V "AAA" Battery
33	Photo Techometer	Lutron	DT223 6	5 to 99999 RPM	± (0.05% + 1 Digit)	Detecting Distance- 50 to 150 mm (Typical Max. 300 mm), Operating Temp. -10 to 50 °C, Power Supply- 1.5 V "AA" Battery
34	Lux Meter	Kusum	KM-Lux-99	0 to 5000 Lux		
35	Sling Psychrometer		DIMPL E-01	0 to 50 °C		
36	Sling Psychrometer		DIMPL E-01	0 to 50 °C		
37	Pressure Guage 1	waaree	10kg	0-10 Kg/cm2		
38	Pressure Guage 2	waaree	7kg	0-7 Kg/cm2		
39	Thermal Imager with Accessories	testo	Testo-881v5	0 to 550 °C	± 3%	Operating Humidity- 0-100% RH, Operating Temp.- 0-70 °C, , Accuracy of Radio Probe- ± 2% of RH and ± 5°C, Standard Measurement- 1 Point Measurement, 2 Point Measurement, Cold Spot/ Hot Spot, Isotherm, Emissivity- 0 to 1, Power supply- Fast Charging Li-ion Battery.

Sr. No.	Instrument Name	Make	Model	Range	Accuracy	Features
40	Ultrasonic Flow Meter with C3 & D3 transducer set & accessories	Siemens	FUP-1010	± 12 m/s, Bi-directional	± 0.5 % to 2 % of Flow for Velocity greater than 0.3 m/s	Pipe size 0.75" to 360", Liquid Temp. -40 to 250 °C, Protection-IP67, Transducer Type- C3 (2" to 12") & D3 (8" to 24") pipe size
41	Multifunction Instrument		Testo-435-4			
A	Temperature Surface Probe			0 to +300 °C	Class-2	Type "K" thermocouple
B	IAQ Probe				±0.3 °C, ±2% RH, ±2% of ppm CO ₂ , ±3 hPa	0 to +50 °C, 0 to 100% RH, 0 to 10000 ppm CO ₂ , +600 to 1150 hPa
C	Telescopic Vane Probe			0 to +60 °C, 0.6 to +40 m/s	±0.3 °C, ±0.2 m/s	Length 890 mm , Ø 16 mm
D	Pitot Tube			0 to 600 °C	-	1000 mm Long, Ø 7mm
F	Pressure			0 to +2000 hPa	± 1% of Reading	Resolution 0.1 hpa
G	Voice Level Detector	Testo	Testo-815	32 to 130 dB	± 1% dB	Frequency Range- 31.5 Hz to 8 kHz, Time Weighting- 125 ms, 4 digit LCD Display, Operating Temp. 0 to +40 °C, Operating Humidity- 10 to 90 % RH, Power Supply- 9 V Battery Cell
42	Digital Pressure Gauge	keller	Leo-2	0 to 30 Kg/cm ²	0.1%	G 1/4" Connection

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6.0 List of Energy Audit Instruments at Bangalore Office

Sr. No.	Instrument Name	Features	Energy Audit Kit No. 1			
1.	Demand Analyzer & Energy Explorer - Quantity – 1 no	<ul style="list-style-type: none"> Suitable for three phase and single phase measurements Continuous measurement of 156 electrical parameters like voltage, current, frequency, harmonics distortion, active & reactive power, power factor etc. Compatible to PC for data downloading 				
2.	Clamp on Power Meter & Portable Digital Power Analyser - Quantity – 1 no.	<ul style="list-style-type: none"> Instantaneous three and single phase electrical measurements like active and reactive power, frequency, power factor, phase angle, voltage, current etc. 	0 - 1200 kW 0 - 600 Voltage, AC 0 - 800 Voltage, DC 0 - 2000 A, Current, AC / DC			
3.	Lux Meter - Quantity – 1 no.	<ul style="list-style-type: none"> Light intensity measurements Digital display Non contact type 	Lux level Accuracy	0 - 50,000 lux +/- 0.5%	Lux level Accuracy	0 – 200000 lux +/- 0.5%
4.	Thermo Anemometer - Quantity – 1 no.	<ul style="list-style-type: none"> Wind velocity measurements Wind temp. measurements 	Velocity Temp.	0 - 45 m / sec. 0 – 60 °C	Velocity Temp.	0 - 45 m / sec. 0 – 60 °C

Sr. No.	Instrument Name	Features	Energy Audit Kit No. 1			
5.	Ultrasonic Flow Meter & Dual Frequency Portable Doppler Flow Meter Quantity – 1 no.	<ul style="list-style-type: none"> Water flow measurement Non contact type 	Flow range Pipe size Fluid Accuracy	0 – 15 m/sec. 25 – 7500 mm Homogeneous liquids without gas bubbles +/- 0.5%	Flow range Pipe size Fluid Accuracy	0.06 – 10 m/sec. 12 – 5000 mm It can accept turbidity samples upto 5000 mg/liter such as ground water remediation flow, contaminated ground water, sewage treatment flow, raw sewage flow transmitters, sewage plant flow meters, pump protection flow switches, wastewater and treatment flow meters, slurries & slurry flow measurements, sludge velocity meters, abrasives +/- 0.5%
6.	Flue Gas Analyzer - Quantity – 1 no.	<ul style="list-style-type: none"> Displays % O₂, stack temp. & CO Calculates % CO₂, % excess air and boiler efficiency Holds readings for six samples 	O ₂ CO Temp. Fuel selection Accuracy	0 to 20.9 % 0 to 4000 ppm 350 °C (Max.) FO, LSHS, LDO, Natural gas, Biogas, Husk, Coal O ₂ +/- 0.5% CO +/- 50 ppm	O ₂ CO Temp. Fuel selection Accuracy	0 to 21 % 0 to 10000 ppm 600 °C FO, LSHS, LDO, Natural gas, Biogas, Husk, Coal O ₂ +/- 0.5% CO +/- 50 ppm

Sr. No.	Instrument Name	Features	Energy Audit Kit No. 1			
7.	Infrared Thermometers - Quantity – 1 no.	<ul style="list-style-type: none"> • Measurement of surface temp. which are un-suitable for traditional contact measurement methods • Non contact type 	Range	- 40 °C to 800 °C	Range	- 40 °C to 800 °C
8.	Relative Humidity and Temperature Indicator - Quantity – 1 no.	<ul style="list-style-type: none"> • RH measurement • Temperature measurement 	RH Temp.	10 to 95% 0 – 65 °C	RH Temp.	10 to 95% 0 – 65 °C
9.	Digital Camera - Quantity – 1 no	<ul style="list-style-type: none"> • Photo 	--	--	--	--

ENERGY EFFICIENCY & CONSERVATION CONSULTANCY SERVICES: A PROFILE

7.0 Prestigious Clients & Service(s) Provided

A. Pre Energy Audit, Detailed Energy Audit, Energy Monitoring, Design & Engineering & Implementation Assistance Services

A.1 Textile

1.1	Narsing Girjee Mills, Solapur (1987)	Pre – Audit Study
1.2	Narsing Girjee Mills, Solapur (1987 – 88)	Detailed Audit Study
1.3	Narsing Girjee Mills, Solapur (1988 – 89)	Energy Monitoring
1.4	Devgiri Textile Mills, Aurangabad (1989)	Pre – Audit Study
1.5	Western India Spg. & Wvg. Mills, Mumbai (1989)	Pre – Audit Study
1.6	Solapur Vinkar Sahakari Soot Girni Niyamit, Solapur (1989)	Pre – Audit Study
1.7	Swami Samarth Sahakari Soot Girni Niyamit, Valvang (1989)	Detailed Energy Audit
1.8	Nagpur Vinkar Sahakari Soot Girni Niyamit, Nagpur (1989)	Detailed Energy Audit
1.9	Devgiri Textile Mills, Aurangabad (1989 – 90)	Detailed Audit Study
1.10	Pratap Spg. & Wvg. Mills, Amalner (1989 – 90)	Pre – Audit Study
1.11	Pratap Spg. & Wvg. Mills, Amalner (1989 – 90)	Detailed Audit Study
1.12	Western India Spg. & Wvg. Mills, Mumbai (1989 – 90)	Detailed Audit Study
1.13	Kalmeshwar Textile Mills, Nagpur (1990)	Pre – Audit Study
1.14	Raymonds Woolen Mills Ltd., Jalgaon (1990)	Pre – Audit Study
1.15	Yeshwant Sahakari Soot Girni Niyamit, Solapur (1989 –90)	Detailed Energy Audit
1.16	Shetkari Sahakari Soot Girni Niyamit, Sangola (1989 – 90)	Detailed Energy Audit
1.17	Shri Jagadamba Sahakari Soot Girni Niyamit, Madha (1990)	Detailed Energy Audit
1.18	Narsing Girjee Mills, Solapur (1990)	Equipment Audit
1.19	Devgiri Textile Mills, Aurangabad (1990 – 91)	Energy Monitoring
1.20	Pratap Spg. & Wvg. Mills, Amalner (1990 – 91)	Energy Monitoring
1.21	Western India Spg. & Wvg. Mills, Mumbai (1990 – 91)	Energy Monitoring
1.22	Raymonds Woolen Mills Ltd., Jalgaon (1990 – 91)	Detailed Audit Study
1.23	Kalmeshwar Textile Mills, Nagpur (1991-92)	Detailed Audit Study
1.24	Raymonds Woolen Mills Ltd., Jalgaon (1991 - 92)	Energy Monitoring
1.25	Kalmeshwar Textile Mills, Nagpur (1992 – 93)	Energy Monitoring
1.26	Thermax Energy Performance Services, Pune (For M/s Morarji Mills, Mumbai (1998)	Energy Data Collection
1.27	Nakoda Textile Industries Ltd., Surat (2002)	Energy Audit
1.28	Pragati Textile Industries Pvt. Ltd., Biratnagar, Nepal (2002)	Energy Audit
1.29	Sagareswar Sah. Soot Girni Maryadit, Kadegaon, Tal. Khanapur (2003)	Energy Audit
1.30	R. M. Mohite Textiles Ltd., Kolhapur (2004-05)	Energy Audit
1.31	Mahatma Phule Anusuchit Jati Jamati Shetkari Sahakari Soot Girni Niyamit, Wagholi, Mohol, Solapur (2004-05)	Energy Audit
1.32	Raymond Ltd., Thane (2005-06)	Walk Through Energy Audit

A.1 Textile (contd.)

1.33	Raymond Ltd., Chhindwara (2005-06)	Walk Through Energy Audit
1.34	Raymond Ltd. Jalgaon (2005-06)	Walk Through Energy Audit
1.35	Raymond Ltd., Yavatmal (2005-06)	Walk Through Energy Audit
1.36	Shahi Exports Pvt. Ltd., Faridabad (2007-08)	Energy Audit
1.37	Shahi Exports Pvt. Ltd., Ghaziabad (2007-08)	Energy Audit
1.38	Shahi Exports Pvt. Ltd., Bangalore (2007-08)	Energy Audit
1.39	Poddar Mills, Mumbai for NTCL (2010 – 11)	Walk Through Energy Audit
1.40	TATA Mills, Mumbai for National Textile Corporation Ltd. (2010 – 11)	Walk Through Energy Audit
1.41	Shree Swami Samarth Shetkari Wa Vin.Sah Soot Girni, Valsang (2010 – 11)	Energy Audit
1.42	Bhatwal Udyog Pvt. Ltd., Gorakhpur (2010-11)	Energy Audit
1.43	Shri Swami Samartha Shetkari Wa Vinkari Sahakari Soot Girni Niyamit (2010 – 11)	Energy Audit
1.44	JPAL South Asia at IFMR, Shree Shiv Vijay Processors Ltd, Surat (2011-12)	Energy Audit
1.45	JPAL South Asia at IFMR, Shree Vitrag Dyeing & Printing Mills Pvt. Ltd, Surat (2011-12)	Energy Audit
1.46	JPAL South Asia at IFMR, Shree Vir Vijay Silk Mills, Surat (2011-12)	Energy Audit
1.47	JPAL South Asia at IFMR, Prabhakar Processor Pvt. Ltd, Surat (2011-12)	Energy Audit
1.48	JPAL South Asia at IFMR, Gopalkrishna Textile, Surat (2011-12)	Energy Audit
1.49	National Textile Corporation Ltd. - New Finlay Mills, Achalpur (2011-12)	Energy Audit
1.50	National Textile Corporation Ltd. - New Minerva Mills, Hassan (2011-12)	Energy Audit
1.51	National Textile Corporation Ltd. - Burhanpur Tapti Mills, Burhanpur (2011-12)	Energy Audit
1.52	National Textile Corporation Ltd. - New Bhopal Textile Mills, Bhopal (2011-12)	Energy Audit
1.53	National Textile Corporation Ltd. - Arati Cotton Mills, Dassnagar (2011-12)	Energy Audit
1.54	National Textile Corporation Ltd. - Cannanore Spg. & Wvg. Mills, Cannanore (2011-12)	Energy Audit
1.55	National Textile Corporation Ltd. - Kerala Lakshmi Mills, Trichur (2011-12)	Energy Audit
1.56	National Textile Corporation Ltd. - Vijay Mohini Mills, Trivandrum (2011-12)	Energy Audit
1.57	National Textile Corporation Ltd. - New Rajnagar Mills, Ahemedabad (2011-12)	Energy Audit
1.58	National Textile Corporation Ltd. - Kaleeswarar Mills 'B' Unit, Kalayarkoli (2011-12)	Energy Audit
1.59	Bhavik Terryfab, Jaipur (2011-12)	Energy Audit
1.60	Sangam India Ltd., Bhilwara (2012-13)	PAT Advisory Services

A.1 Textile (contd.)

1.61	L. S. Mills Ltd., Theni (2012-13)	PAT Advisory Services
1.62	The Bombay Dyeing & Manufacturing Co. Ltd., Ranjangaon (2012-13)	PAT Advisory Services
1.63	The Bombay Dyeing & Manufacturing Co. Ltd., Patalganga (2013-14)	PAT Advisory Services
1.64	A. K. Spintex Ltd., Bhilwara (2013-14)	PAT Advisory Services
1.65	Birla Textile Mill, Baddi (2013-14)	PAT Advisory Services & ISO 50001 Implementation Assistance
1.66	GPI Textile Ltd., Nalagarh (2013-14)	PAT Advisory Services
1.67	Janki Corp Ltd., Bhilwara (2013-14)	PAT Advisory Services
1.68	Kanchan India Ltd., Bhilwara (2013-14)	PAT Advisory Services
1.69	Nitin Spinners Ltd., Bhilwara (2013-14)	PAT Advisory Services & ISO 50001 Implementation Assistance
1.70	Rolex Processors Pvt. Ltd., Bhilwara (2013-14)	PAT Advisory Services
1.71	Sona Processors (India) Ltd., Bhilwara (2013-14)	PAT Advisory Services
1.72	Sulzer Processors Pvt. Ltd., Bhilwara (2013-14)	PAT Advisory Services
1.73	Swastika Suitings Ltd., Bhilwara (2013-14)	PAT Advisory Services
1.74	Anant Spinning Mills, Mandideep (Verdhaman Group) (2013-14)	Energy Audit
1.75	Arisht Spinning Mills, Baddi (Verdhaman Group) (2013-14)	Energy Audit
1.76	Aarti International Ltd., Ludhiana (2013-14)	PAT Advisory Services
1.77	Winsome Textiles Industries Ltd., Baddi (2013-14)	PAT Advisory Services
1.78	PT. Indo Bharat Rayon, Indonesia (Aditya Birla Management Corporation Pvt. Ltd.) (2014-15)	Electrical Energy Audit
1.79	PT. Indo Raya Kimia, Thailand (Aditya Birla Management Corporation Pvt. Ltd.) (2014-15)	Electrical Energy Audit
1.80	Deepak Spinners Ltd., Baddi (2013-14)	PAT Advisory Services
1.81	Manjeet Cotton Pvt. Ltd., Aurangabad (2014-15)	Energy Audit & Implementation Assistance
1.82	JCT Limited, Phagwara (2014-15-16)	PAT Advisory Services
1.83	Century Rayon, Thane (2015-16)	PAT M & V Audit
1.84	Century Enka Ltd., Pune (2015-16)	PAT M & V Audit
1.85	Kumar Cotton Mills Pvt. Ltd, Ahmedabad (2015-16)	PAT M & V Audit
1.86	L. S. Mills Ltd., Theni	PAT M & V Audit
1.87	L. S. Mills Ltd., Theni	Mandatory Energy Audit
1.88	The Bombay Dyeing & Manufacturing Co. Ltd., Ranjangaon	PAT M&V Audit
1.89	Sarvodaya India Ltd., Bhilwara (2015-16)	Mandatory Energy Audit
1.90	Sulzer Processors Pvt., Ltd. Bhilwara (2015-16)	Mandatory Energy Audit
1.91	Swastika Suitings Ltd., Bhilwara (2015-16)	Mandatory Energy Audit
1.92	Rolex Processors Pvt. Ltd., Bhilwara (2015-16)	Mandatory Energy Audit
1.93	Sangam India Ltd., Bhilwara (2015-16)	Mandatory Energy Audit
1.94	Janki Corp Ltd., Bhilwara (2015-16)	Mandatory Energy Audit
1.95	Sona Processors (India) Ltd., Bhilwara (2015-16)	Mandatory Energy Audit
1.96	TPL Industries Ltd., Bhilwara (2015-16)	Mandatory Energy Audit

A.1 Textile (contd.)

1.97	AK Spintex Ltd., Bhilwara (2015-16)	Mandatory Energy Audit
1.98	Nitin Spinners Ltd., Bhilwara (2015-16)	Mandatory Energy Audit
1.99	Bhilwara Suitings Ltd., Bhilwara (2015-16)	Mandatory Energy Audit
1.100	Bhilwara Processors Ltd., Bhilwara (2015-16)	Mandatory Energy Audit
1.101	Ronak Processors Pvt. Ltd., Bhilwara (2015-16)	Mandatory Energy Audit
1.102	Aarti International Ltd., Ludhiana (2015-16)	Mandatory Energy Audit
1.103	Winsome Textile Industries Ltd., Baddi (2015-16)	Mandatory Energy Audit
1.104	Deepak Spinners Ltd., Baddi (2015-16)	Mandatory Energy Audit
1.105	Century Enka Ltd., Pune (2015-16)	Performance Study of Trane Chillers
1.106	Kanchan India Ltd., Bhilwara (2015-16)	Mandatory Energy Audit

A.2 Chemicals / Pharmaceuticals / Petrochemicals

2.1	Albright, Morarji & Pandit Ltd., Ambarnath (1988)	Energy Audit
2.2	Albright, Morarji & Pandit Ltd., Roha (1988)	Energy Audit
2.3	Ion Exchange (I) Ltd., Ambarnath (1988)	Energy Audit
2.4	Dyes and Dispersing Agents Ltd., Dombivali (1989)	Energy Audit
2.5	Dyes and Dispersing Agents Ltd., Roha (1989)	Energy Audit
2.6	Hindustan Ciba Giegy Ltd., Goa (1989)	Energy Audit
2.7	Universal Chemicals & Industries Pvt. Ltd., Ambarnath (1990)	Energy Audit
2.8	Apte Amalgamation Ltd., Talaja (1991)	Energy Audit
2.9	Apte Amalgamation Ltd., Talaja (1991)	Energy Monitoring
2.10	Raptakos, Brett & Co. Ltd., Thane (1992)	Energy Audit
2.11	Piramal Healthcare Ltd., Thane (1992)	Energy Audit
2.12	Pfizer Ltd., Thane (1992)	Energy Audit
2.13	E – Merck (I) Ltd., Talaja (1993)	Energy Audit
2.14	United Phosphorus Ltd., Ankaleshwar (1993)	Energy Audit
2.15	Hindustan Insecticides Ltd., Rasayani (1993)	Energy Audit
2.16	J. B. Chemicals & Pharmaceuticals Pvt. Ltd., Ankaleshwar (1994)	Energy Audit
2.17	Unique Pharmaceuticals Pvt. Ltd., Ankaleshwar (1994)	Energy Audit
2.18	Ifunik Pharmaceuticals Pvt. Ltd., Ankaleshwar (1994)	Energy Audit
2.19	United Phosphorus Ltd. Ankaleshwar (1994)	Energy Monitoring
2.20	Hoechst (I) Ltd., Ankaleshwar (1994)	Energy Audit
2.21	Hoechst (I) Ltd., Ankaleshwar (1994)	Energy Monitoring
2.22	Hoechst (I) Ltd., Ankaleshwar (1994)	Bench Marking
2.23	Indian Organic Chemicals Limited, Khopoli (1999)	Energy Audit / Loan Syndication
2.24	Finolex Industries Ltd. (PVC Plant), Ratnagiri (1999)	Preliminary Energy Audit
2.25	Haffkine Bio-Pharmaceutical Corporation Ltd., Mumbai (2000)	Energy Audit
2.26	Dujodwala Products Ltd., Mumbai (2000)	Energy Audit
2.27	Alkyl Amines Chemicals Ltd., Kurkumbh (2000)	Boiler Efficiency Test
2.28	Arti Drugs Ltd., Tarapur (2001)	Energy Audit / Loan Syndication
2.29	Rupal Chemicals Pvt. Ltd., Tarapur (2001)	Energy Audit

A.2 Chemicals / Pharmaceuticals / Petrochemicals (contd.)

2.30	FDC Ltd., Aurangabad (2001)	Energy Audit
2.31	FDC Ltd., Aurangabad (2001)	Energy Monitoring
2.32	Sudarshan Chemicals Ltd., Roha (2002)	Energy Audit
2.33	Cipla Ltd., Vikrolii (2002)	Energy Audit
2.34	Universal Chemicals & Industries Pvt. Ltd., Ambarnath (2001 – 2003)	Energy Audit / Energy efficiency projects design / loan syndication / bidding & contracting
2.35	Universal Chemicals & Industries Pvt. Ltd., Lote (2001 – 2003)	Energy Audit / Energy efficiency projects design / loan syndication / bidding & contracting
2.36	Aryan Pesticides Ltd., Roha (Group company of Deepak Nitrite Ltd.) (2002-03)	Energy Audit and Implementation Assistance
2.37	P. I. Industries Ltd., Panoli (2003-04)	Energy Audit
2.38	Dujodwala Products Ltd., Mumbai (2003-04)	Energy Audit and Implementation Assistance
2.39	Potdar Chemicals, Chiplun (2003-04)	Energy Audit and Loan Syndication Services
2.40	Tinna Oils & Chemicals Ltd., Latur (2003-04)	Energy Audit
2.41	Cipla Ltd., Kurmumbh through Tata Honeywell Ltd., Pune (2004-05)	Pre & Post Implementation Performance Evaluation of Energy Conservation & Efficiency Systems
2.42	Ranbaxy Laboratories Ltd., Devas through Tata Honeywell Ltd., Pune (2004-05)	Performance Evaluation of HVAC System
2.43	Schenectady Hardillia Ltd., Rasal (2004-05)	Detailed Engineering for Fuel Switch Project
2.44	Vimkar Contracts Works Pvt. Limited, Chennai (2004-05)	Energy Audit & Implementation Assistance Services
2.45	Chemplast Sanmar Limited, Chennai (2004-05)	Energy Audit
2.46	Sudarshan Chemical & Industries Ltd., Roha (2004-05)	Energy Audit & Implementation Assistance Services
2.47	Sanmar Speciality Chemicals Ltd., Berigai (2004 - 05)	Energy Audit & Implementation Assistance Services
2.48	Hindustan Insecticides Ltd., Rasayani (2005 - 06)	Energy Audit
2.49	Transchem Ltd., Ambarnath (2005 - 06)	Energy Audit
2.50	Sajjan India Ltd., Ankleshwar (2005 - 06)	Energy Audit
2.51	National Organic Chemical Ind. Ltd., Mumbai (2005- 06)	Energy Audit
2.52	FMP Engineering Pvt. Ltd., Spain (2006-07)	Energy Audit
2.53	Sterlite Optical Technologies Ltd., Aurangabad (2006–07)	Energy Audit
2.54	Cipla Ltd., Kurkumbh (2006 – 07)	Energy Audit

A.2 Chemicals / Pharmaceuticals / Petrochemicals (contd.)

2.55	Universal Chemicals & Ind. Ltd., Lote (2007 – 08)	Energy Audit
2.56	Ipca Laboratories Ltd., Mumbai (2007 – 08)	Walk through Energy Audit
2.57	Shreya Life Sciences Pvt. Ltd., Waluj (2007 – 08)	Energy Audit
2.58	Ipca Laboratories Ltd., Ratlam (2007-08)	Steamlines & Traps Survey
2.59	Cipla Ltd., Goa (2008-09)	Energy Audit
2.60	Cipla Ltd., Patalganga (2008-09)	Energy Audit
2.61	Universal Starch Chem Allied Ltd., Dhondiacha (2008-09)	Energy Audit
2.62	Associated Capsules Pvt. Ltd., Dahanu (2008-09)	Energy Audit
2.63	Wockhard Ltd., Chikalthana, Aurangabad (2008-09)	Energy Audit
2.64	Wockhard Ltd., Waluj, Aurangabad (Biotech Park) (2008-09)	Energy Audit
2.65	Cipla Ltd., Kurkumbh (Plant D – 27) (2010-11)	Energy Audit
2.66	Cipla Ltd., Kurkumbh (Plant D – 22) (2010-11)	Energy Audit
2.67	Universal Starch Chem Allied Ltd., Dhondaicha (2010-11)	Techno-Economic Feasibility Study for Bio-Digester Plant
2.68	ACG Pharmapack Pvt. Ltd., Shirwal (2010 – 11)	Energy Audit
2.69	Emcure Pharmaceuticals Ltd. - Solid Orals Unit (SOU) and R & D, Pune (2011-12)	Energy Audit
2.70	Emcure Pharmaceuticals Ltd. - Sterile Products Division (SPD) and Gennova Biopharmaceuticals, Pune (2011-12)	Energy Audit
2.71	Emcure Pharmaceuticals Ltd. - Hazardous and High Potency Products Facility (Onco), Pune (2011-12)	Energy Audit
2.72	Emcure Pharmaceuticals Ltd. - API Facility, Kurkumbh (2011-12)	Energy Audit
2.73	Bharat Petroleum Corporation Ltd., Wadi Lube (2011-12)	Energy Audit
2.74	Bharat Petroleum Corporation Ltd., Mak Lube, Loni (2011-12)	Energy Audit
2.75	JPAL South Asia at IFMR, Ahmedabad (Aminthara Enterprises) (2011-12)	Implementation Assistance
2.76	JPAL South Asia at IFMR, Ahmedabad (Bright Dye Chem.) (2011-12)	Implementation Assistance
2.77	Watson Pharma Pvt. Ltd., Ambarnath (2011-12)	Energy Audit
2.78	FDC, Aurangabad (2011-12)	Energy Audit
2.79	DCW Ltd., Tuticorin (2011-12)	Water Flow Measurements
2.80	Vaibhav Dyestuff Industries, Ahmedabad (2011-12)	Energy Audit
2.81	Apex Dyestuff Industries, Ahmedabad (2011-12)	Energy Audit
2.82	J.B. Fine Chem, Ahmedabad (2011-12)	Energy Audit
2.83	Shivanand Polymers, (2011-12)	Energy Audit
2.84	Kasa Colorchem, Ankleshwar (2011-12)	Energy Audit
2.85	Dano Pharma, Ankleshwar (2011-12)	Energy Audit
2.86	Trimurti Chemical, Ankleshwar (2011-12)	Energy Audit
2.87	Shivam Organics, Ankleshwar (2011-12)	Energy Audit
2.88	Unity Colorchem, Ankleshwar (2011-12)	Energy Audit
2.89	The Travancore – Cochin Chemicals Ltd., Cochin (2012-13)	Boiler Efficiency Study
2.90	The Travancore – Cochin Chemicals Ltd., Cochin (2012-13)	Compressed Air Study
2.91	SI Group India Ltd., Ranjangaon (2012-13)	Energy Audit
2.92	DRT Anthea Aroma Chemicals Pvt. Ltd., Roha (2012-13)	Energy Audit
2.93	Syngenta Biosciences Pvt. Ltd., Goa (2012-13)	Energy Audit

A.2 Chemicals / Pharmaceuticals / Petrochemicals (contd.)

2.94	Petroleum Conservation Research Association, Mumbai - National Peroxide Ltd., Kalyan (2012-13)	Energy Audit
2.95	Otsuka Chemical (India) Pvt. Ltd., Rajpoot (2012-13)	Thermal Imaging
2.96	Biotech Vision Care Pvt. Ltd., Khatraj (2012-13)	Energy Audit
2.97	GMM Pfaudler Ltd., Anand (2012-13)	Energy Audit
2.98	Lupin Ltd., Pune (2012-13)	Power Quality & Safety Audit
2.99	Petroleum Conservation Research Association - Pidilite Industries Ltd., Vapi (2012-13)	Energy Audit
2.100	Torrent Pharmaceuticals Ltd., Indrad (2012-13)	Energy Audit
2.101	Torrent Pharmaceuticals Ltd., Indrad - (2012-13)	Steam Trap Performance
2.102	Inventys Research Company, Mumbai (2012-13)	Energy Audit
2.103	Unimark Remedies Ltd., Vapi (2012-13)	Energy Audit
2.104	Petroleum Conservation Research Association, Mumbai - Cipla Ltd., Patalganga (2013-14)	Energy Audit
2.105	Dr. Reddies Lab, Hyderabad for Tata Honeywell Ltd., Pune (2013-14)	HVAC Energy Audit
2.106	Petroleum Conservation Research Association, Mumbai - Finolex Plasson Ind. Pvt. Ltd., Maval (2013-14)	Energy Audit
2.107	Amneal Pharmaceuticals Co. (I) Pvt. Ltd., Rajoda (2013-14)	Energy Audit
2.108	Cadila Healthcare Ltd., Moraiya (Zydus Group) (2013-14)	Energy Audit
2.109	Associated Soapstone Distributing Co. Pvt. Ltd., Jaipur (2013-14)	Energy Audit
2.110	Torrent Research Centre, Gandhinagar (2013-14)	Energy Audit
2.111	Nath Industrial Chemicals Ltd., Vapi (2014-15)	Energy Audit
2.112	Atul Ltd., Valsad (2014-15)	Energy Audit of Atul Complex
2.113	Atul Aeromatics Ltd, Ankleshwar (2014-15)	Energy Audit
2.114	Cadila Pharmaceuticals Ltd, Dholka (2014-15)	Energy Audit
2.115	Cadila Pharmaceuticals Ltd, Ankleshwar Unit 1 & 2 (2014-15)	Energy Audit
2.116	Shalina Laboratories Pvt. Ltd., Jejuri (2014-15)	Energy Audit
2.117	Otsuka Chemicals (India) Pvt. Ltd., (2014-15)	Energy Audit
2.118	Emcure Pharmaceuticals, Pune (2014-15)	Energy Audit of Fire Hydrant System
2.119	Lupin Ltd., Pune (2015-16)	Energy Audit
2.120	Chemspec Chemicals Pvt Ltd., Taloja (2015-16)	Energy Audit
2.121	Torrent Pharmaceuticals Ltd, Indrad (2015-16)	Energy Audit
2.122	Zydus R & D Centre, Moraiya (2015-16)	Transformer Efficiency Study
2.123	Eris Laboratories Ltd, Guwahati (2015-16)	Energy Audit
2.124	UPL Limited, Jaghadia (2015-16)	PAT M & V Audit
2.125	Meghmani Finechem Ltd, Dahej (2015-16)	PAT M & V Audit
2.126	Reliance Industries Ltd, Dahej (2015-16)	Mandatory Energy Audit
2.127	Nipur Chemicals Ltd., Boisar (2015-16)	Energy Audit

A.3 Foundry

3.1	Kolhapur Steels Ltd., Kolhapur (1987)	Energy Audit
3.2	Sudarshan Aluminium Industries Ltd., Nasik (1989)	Pre – Audit Study
3.3	Sudarshan Aluminium Industries Ltd., Nasik (1989 – 90)	Detailed Audit Study
3.4	J. K. Files Ltd., Ratnagiri (1989)	Pre – Audit Study
3.5	J. K. Files Ltd., Ratnagiri (1989 – 90)	Detailed Audit Study
3.6	Marvellous Metals Pvt. Ltd., Kolhapur (1990)	Energy Audit
3.7	Mayur Steels Pvt. Ltd., Kolhapur (1990)	Energy Audit
3.8	Menon & Menon Ltd., Amboli (1990)	Energy Audit
3.9	Bombay Forging Ltd., Kurla (1991)	Energy Audit
3.10	Sudarshan Aluminium Industries Ltd., Nasik (1990 – 91)	Energy Monitoring
3.11	J. K. Files Ltd., Ratnagiri (1990 – 91)	Energy Monitoring
3.12	Yeshwant Iron & Steel Works, Kolhapur (1991)	Energy Audit
3.13	S. G. Iron Foundry, Kolhapur (1991)	Energy Audit
3.14	Alloy Steels Pvt. Ltd., Kolhapur (1991)	Energy Audit
3.15	Hindustan Copper Ltd., Taloja (1991)	Energy Audit
3.16	Menon Metalliks Pvt. Ltd., Kolhapur (1991)	Energy Audit
3.17	Sanjay Founders Pvt. Ltd., Ichalkaranji (1992)	Energy Audit
3.18	Sanjay Founders Pvt. Ltd., Ichalkaranji (1992)	Energy Monitoring
3.19	Shri Ganesh Foundry, Ichalkaranji (1992)	Energy Audit
3.20	Shri Ganesh Foundry, Ichalkaranji (1992)	Energy Monitoring
3.21	Mutha Founders Pvt. Ltd., Satara (1992)	Energy Audit
3.22	Mutha Founders Pvt. Ltd., Satara (1992)	Energy Monitoring
3.23	Steel Tubes of India Ltd., Dewas (1992)	Energy Audit
3.24	Gnat Fastners Pvt.Ltd., Kolhapur (1998)	Energy Audit
3.25	S. B. Reshellers Pvt. Ltd., Kolhapur (1998)	Energy Audit
3.26	GGT Kay Pee Ltd., Aurangabad (1993)	Energy Audit
3.27	Rapicut Carbide Ltd., Ankaleshwar (1993)	Energy Audit
3.28	S. B. Reshellers Pvt. Ltd., Kolhapur (1998)	Energy Monitoring
3.29	Viraat Ispat Ltd., Tarapur (2001)	Energy Audit
3.30	Mutha Founders Pvt. Ltd., Satara (2001)	Energy Audit
3.31	Mutha Sperocast Pvt. Ltd., Satara (2001)	Energy Audit
3.32	Western India Forgings Ltd., Pune (2003-04)	Energy Audit
3.33	Mahabal Metals Pvt. Ltd., Miraj (2003-04)	Energy Audit
3.34	Ghatge Patil Industries Ltd., Kolhapur (2004-05)	Energy Audit
3.35	INDSIL Electrosmelts Ltd., Palakad (2004-05)	Energy Audit
3.36	Siddhi Ferrous, Silvassa (2008-09)	Energy Audit
3.37	Ahmednagar Forging Ltd., Kuruli (2008-09)	Energy Audit
3.38	Ahmednagar Forging Ltd., Chakan (2009-10)	Energy Audit
3.39	Alicon Castalloy Limited, Pune (2011 – 11)	Energy Audit
3.40	Endurance Technologies Ltd. Waluj, Aurangabad (2011-12)	Walk through Energy Audit
3.41	Endurance Technologies Ltd. Chakan (2011 – 12)	Energy Audit
3.42	Mutha Founders Pvt. Ltd., Satara (CI) (2011 – 12)	Energy Audit
3.43	Paranjape Autocast Pvt. Ltd., Satara (LPDC) (2011 – 12)	Energy Audit

A.3 Foundry (Contd.)

3.44	Paranjape Metal Shapers Pvt. Ltd., Shirwal (CI) (11 – 12)	Walk through Energy Audit
3.45	Super Auto India Ltd., Chakan (2011 – 12)	Walk through Energy Audit
3.46	Hoganos India Pvt. Ltd., Ahmednagar (2011-12)	Energy Audit
3.47	Mahindra Forging Ltd., Sinner (2011-12)	Energy Audit
3.48	Amtek India Ltd., Bhiwadi (2012-13)	Energy Audit
3.49	Jagadamba Autocomponents Ltd., Pune (2012-13)	Energy Audit
3.50	Sansera Engineering (P) Ltd., Pune (2012-13)	Energy Audit
3.51	Saneev Auto Parts Manufacturers Pvt. Ltd., Aurangabad (2012-13)	Energy Audit
3.52	Varroc Engineering Pvt. Ltd., Aurangabad (2012-13)	Energy Audit
3.53	Sterlite Technologies Ltd, Silvassa (2012-13)	Energy Audit
3.54	Durovalves India Pvt. Ltd., Aurangabad (2013-14)	Energy Audit
3.55	Elecon Engineering Ltd., (Prayas Engineering), Vidyanagar (2013-14)	Energy Audit
3.56	Kisan Mouldings Ltd., Mumbai (2014-15)	Implementation Assistance Services

A.4 Engineering

4.1	L & T Ltd., Powai (1989)	Pre – Audit Study
4.2	Menon Pistons Ltd., Kolhapur (1990)	Energy Audit
4.3	Menon Pistons Ltd., Kolhapur (1990 –91)	Energy Monitoring
4.4	Automobile Corporation of Goa Ltd., Honda (1992)	Energy Audit
4.5	Goa Shipyard Ltd., Vasco (1992)	Energy Audit
4.6	Lawkim Ltd., Thane (1993)	Energy Audit
4.7	P.M.T. Machine Tools Automatics Ltd., Pune (1999 -00)	Energy Audit
4.8	P.M.T. Machine Tools Automatics Ltd., Pune (1999–00)	Energy Monitoring
4.9	Shepherd Transformers Limited, Mumbai (2001)	Equipment Certification
4.10	Godrej & Boyces (Plant No. 07), Mumbai (2002)	Energy Audit
4.11	Amforge Industries Limited, Chakan (2002 – 03)	Energy Audit / Loan Syndication
4.12	Kirloskar Oil Engines Ltd., Chakan, Pune (2002 – 03)	Energy Audit
4.13	Kirloskar Copeland, Atit (2003 – 04)	Equipment Energy Audit
4.14	Seco Tools India (P) Ltd., Pune (2005)	Energy Audit
4.15	SKF Bearings, Bangalore through Tata Honeywell Ltd., Pune (2005)	Performance Evaluation of HVAC System
4.16	Aurangabad Electricals Pvt. Ltd., Aurangabad (2005)	Energy Audit
4.17	Marathwada Auto Compo Pvt. Ltd., Aurangabad (2006)	Energy Audit
4.18	The Automotive Research Association of India, Pune (2007 - 08)	Energy Audit
4.19	Seco Tools India (P) Ltd., Pune (2007-08)	Energy Audit
4.20	Priyadarshini Polysacks Pvt. Ltd., Kolhapur (2007-08)	Energy Audit
4.21	TATA Autocomp Systems Ltd., Pune (2007-08)	Chiller Performance Evaluation
4.22	Vishay Components India Pvt. Ltd., Pune (2007-08)	Energy Audit

A.4 Engineering (Contd.)

4.23	Ahlcon Ready Mix Concrete, New Delhi (2008 – 09)	Energy Audit
4.24	L G Electronics India Ltd., Pune (2008 – 09)	Energy Audit
4.25	Essel Propack Ltd., Wada (2008-09)	Energy Audit
4.26	Essel Propack Ltd., Vashind (2008-09)	Energy Audit
4.27	Essel Propack Ltd., Naliaghar (2008-09)	Energy Audit
4.28	Essel Propack Ltd., Pondichery (2008-09)	Energy Audit
4.29	Jacob Engineering, Mumbai (2008-09) (for Reliance Energy Ltd.)	Energy Audit
4.30	Associated Cables Pvt. Ltd., Ratnagiri (2008-09)	Energy Audit
4.31	Autocomp Corporation Panse Pvt. Ltd., Chakan (09–10)	Energy Audit
4.32	Badave Autocomps Pvt. Ltd., Chakan (2009-10)	Energy Audit
4.33	Hodek Vibration Tech. Pvt. Ltd., Pune (2009-10)	Energy Audit
4.34	Organic Coatings, Mumbai (2009-10) (for Reliance Energy Ltd.)	Energy Audit
4.35	M. K. Jewellers, Mumbai (2009-10) (for Reliance Energy Ltd.)	Energy Audit
4.36	Keppel FELS Offshore and Engineering Services Mumbai Pvt. Ltd., Mumbai (2009-10) (for Reliance Energy Ltd.)	Energy Audit
4.37	Jankar Mechanical Works, Mumbai (2009-10) (for Reliance Energy Ltd.)	Energy Audit
4.38	S. M. Auto Engineering Pvt. Ltd., Pune (2009-10)	Energy Audit
4.39	Thai Summit Neel Auto Private Ltd., Mahalunge (2009-10)	Energy Audit
4.40	Dalmia Laminators Ltd., Chennai (2009-10)	Energy Audit
4.41	OMR Bagla Automotive Systems India Ltd., Aurangabad (2010-11)	Energy Audit
4.42	Aurangabad Electrical Ltd., Aurangabad (2010-11)	Energy Audit
4.43	Semco Electric Pvt. Ltd., Chakan (2010-11)	Energy Audit
4.44	OMR Bagla Automotive Systems India Ltd., Chitegaon (2010-11)	Energy Audit
4.45	Dalmia Laminators Ltd., Kolkata (2010-11)	Energy Audit
4.46	Ester Industries Ltd., Khatima (2011 – 12)	Energy Audit
4.47	Tata BlueScope Steel Ltd., Hinjawadi, Pune (2011 – 12)	Energy Audit
4.48	Tata BlueScope Steel Ltd., Bhiwadi (2011-12)	Energy Audit
4.49	Tata BlueScope Steel Ltd. Chennai (2011-12)	Energy Audit
4.50	Cummins India Ltd., Kothrud (2011-12)	Energy Audit
4.51	Cummins Technologies Ltd., Ranjangaon (2011-12)	Energy Audit
4.52	Cummins Technologies Ltd., Pithampur (2011-12)	Energy Audit
4.53	Cummins India Ltd., Power Generation Business Unit, Pirangut (2011-12)	Energy Audit
4.54	Cummins Generator Technologies Ltd., Ahmednagar (2011-12)	Energy Audit
4.55	Pristine Industries Limited, Kolhapur (2012-13)	Energy Audit
4.56	Flash Electronics (India) Pvt. Ltd., Pune (2012-13)	Energy Audit
4.57	Goa Shipyard Ltd., Goa (2012-13)	Energy Audit
4.58	Hindustan Aeronautics Ltd., Bangalore - Engine Division (2012-13)	Energy Audit

A.4 Engineering (Contd.)

4.59	Visteon Automotive System Pvt. Ltd., Pune (2012-13)	Energy Audit
4.60	Gold Seal Saargummi India Pvt. Ltd., Daman (2012-13)	Energy Audit
4.61	Gold Seal Engineering Products Pvt. Ltd., Daman (2012-13)	Energy Audit
4.62	Khushraho Auto Products, Daman (2012-13)	Energy Audit
4.63	The Automotive Research Association of India, Pune (2013-14)	Energy Audit
4.64	Walchandnagar Industries Ltd., Walchandnagar (2013-14)	Energy Audit
4.65	Elecon Engineering Ltd, Vallabh Vidhyanagar (2013-14)	Energy Audit
4.66	Mask Polymer Pvt. Ltd., Pune (2013-14)	Energy Audit
4.67	SOM Autotech Pvt. Ltd., Aurangabad (2015-16)	Energy Audit
4.68	Surya Roshni Ltd., Kashipur (2015-16)	Energy Audit
4.69	Maharashtra Fasteners Pvt. Ltd., Pune (2015-16)	Energy Audit

A.5 Plastics

5.1	Garware Wall Ropes Ltd., Pune (1990)	Energy Audit
5.2	K. K. Nag Ltd., Pune (1990)	Energy Audit
5.3	Neo Sacks Pvt. Ltd., Dewas (1991)	Pre – Audit Study
5.4	SJS Plastiblends Ltd., Aurangabad (2004-05)	Energy Audit
5.5	The Supreme Industries Ltd., Kanhe (2007-08)	Energy Audit
5.6	Princeware International Pvt. Ltd., Nani Daman (2008-09)	Energy Audit
5.7	Kanpur Plastic Ltd., Knapur (2011-12)	Energy Audit

A.6 Hotels & Commercial Establishments

6.1	Hotel Taj, Mumbai (1989)	Pre – Audit Study
6.2	ICIM, Pune (1998)	Energy Audit
6.3	Hotel Mandovi, Goa (1991)	Energy Audit
6.4	Hotel Shalini Palace, Kolhapur (1991)	Energy Audit
6.5	Hotel Holiday Inn, Pune (1999)	Energy Audit
6.6	Hotel Holiday Inn, Pune (1999)	Energy Monitoring
6.7	Hotel Kohinoor Continental, Mumbai (2000)	Energy Audit
6.8	Mangala Citramandir, Pune (2000)	Energy Audit / Loan Syndication
6.9	Utsav Cineplex, Pune (2000)	Energy Audit / Loan Syndication
6.10	Restaurant Saunk Thai, Mumbai (2001)	Energy Audit
6.11	Restaurant Rajdhani, Mumbai (2001)	Energy Audit
6.12	Restaurant Revival, Mumbai (2001)	Energy Audit
6.13	Uhde India Limited, Mumbai – Corporate office (2001)	Energy Audit
6.14	Hotel Goa Marriots, Goa (2002)	Energy Audit
6.15	Hotel La-paz Gardens, Vasco, Goa (2002)	Energy Audit
6.16	Hotel Mandovi, Goa (2002)	Energy Audit
6.17	Sanjeevan Vidyalaya Trust, Panchgani (2002)	Energy Audit
6.18	Lupin Limited – Research Park, Pune (2002)	Energy Audit
6.19	Yashwantrao Chavan Academy of Development Administration, Pune (2002)	Energy Audit

A.6 Hotels & Commercial Establishments (Contd.)

6.20	Reserve Bank of India, Mumbai (2002)	Energy Audit of Air Conditioning System
6.21	Fariyas Holiday Resorts, Lonavala (2003)	Energy Audit
6.22	The Corinthian, Pune (2003)	Energy Audit
6.23	Usha Ascots, Matheran (2003-04)	Energy Audit & Implementation Assistance
6.24	Landcom Properties Pvt. Ltd., Mumbai (2003-04)	Plant Energy Audit
6.25	The Dukes Retreat, Khandala (2003-04)	Energy Audit
6.26	Sahara India Commercial Corporation Ltd., Amby Valley (2004-05)	Integrated Energy Planning
6.27	Intercontinental Marine Drive, Mumbai (2004-05)	Energy Audit & Implementation Assistance
6.28	Mayfair Banquets Pvt. Ltd., Mumbai (2004-05)	Energy Audit
6.29	Mayfair Rooms & Outdoors, New Delhi (Qutubminar Restaurant) (2004-05)	Energy Audit
6.30	The United Western Bank Ltd. – Info-net Center, Pune (2004-05)	Energy Audit
6.31	Indira Gandhi Air Port, New Delhi (Cargo, International & Domestic Terminal) through Asian Electronics Ltd., Nasik (2004-05)	Preliminary Energy Audit
6.32	Sodexho Pass Services (I) Pvt. Ltd., Pune (for KPIT Cummins Infosystems Ltd.) (2004 – 05)	Energy Audit
6.33	Hotel Hill View, Faridabad (2005 – 06)	Energy Audit
6.34	Sahara India Commercial Corporation Ltd., Amby Valley (2005 – 06)	Energy Audit & Implementation Assistance
6.35	Capegemi Consulting India Pvt. Ltd., Mumbai (Mumbai I office) (2006 – 07)	Energy Audit
6.36	Capegemi Consulting India Pvt. Ltd., Mumbai (Mumbai II office) (2006 – 07)	Energy Audit
6.37	Honeywell Automation India Ltd., Pune (2006 – 07)	Energy Audit
6.38	The Brihan Mumbai Electric Supply & Transport Undertaking (BEST), Mumbai – 11 high rise commercial buildings in Mumbai (2007 – 08)	Water Pumping Energy Audit
6.39	HSBC, Pune (2007-08)	DG Set Performance Test
6.40	ICICI Bank Branch Office – Zenith House, Mumbai (2007 – 08)	Energy Audit
6.41	ICICI Bank Branch Office – Videocon Towers, New Delhi (2007– 08)	Energy Audit
6.42	ICICI Bank Branch Office – Shobha Pearl, Bangalore (2007 – 08)	Energy Audit
6.43	HIRCO Developments Pvt. Ltd., Mumbai (2007-08)	Energy Audit
6.44	Narayan Builders & Developers, Jaipur (2007-08)	Energy Audit
6.45	Twinkle Hospitality Pvt. Ltd., Lonavala (2008-09)	Owner Engg. Consultancy Services

A.6 Hotels & Commercial Establishments (Contd.)

6.46	Ramkishore Resorts Pvt. Ltd., Mahabaleshwar (2008-09)	Owner Engg. Consultancy Services
6.47	Hotel Vits, Mumbai (2008-09) (for Reliance Energy Ltd.)	Energy Audit
6.48	Link Square Mall, Mumbai (2008-09) (for Reliance Energy Ltd.)	Energy Audit
6.49	Oberoi Mall Pvt. Ltd., Goregaon (2008-09) (for Reliance Energy Ltd.)	Energy Audit
6.50	Encore Hotels Pvt. Ltd., Mumbai (2009-10)	Project Management Consultancy
6.51	Indian Institute of Management, Ahmedabad (2010-11)	Energy Audit
6.52	National Chemical Laboratory, Pune (2010-11)	Energy Audit
6.53	Suzlon Energy Ltd., Pune (Green Building) (2010-11)	Energy & Water Audit
6.54	TATA Power Company Ltd., Mumbai (Dharavi – Substation) (2010-11)	Energy Audit
6.55	Bharat Petroleum Corporation Ltd., Corporate Office, Mumbai (2010-11)	Energy Audit
6.56	Tanna Residency, Mumbai (2010-11)	Energy Audit
6.57	Windsor Realty Pvt. Ltd., Mumbai (2010-11)	Energy Audit
6.58	National Insurance Academy, Pune (2010-11)	Energy Audit
6.59	DSK Global Education & Research Pvt. Ltd., Pune (2010-11)	Energy Audit
6.60	Levistrauus India Pvt. Ltd., Bangalore (2010-11)	Energy Audit
6.61	Taj Falaknuma Palace, Hyderabad (2011-12)	Energy Audit
6.62	Tata BlueScope Steel Ltd., Corporate Office, Pune (2011 – 12)	Energy Audit
6.63	Dena Bank, Pune (59 branches) (2011 – 12)	Energy Audit
6.64	Cummins Sales & Service India Ltd., Erandwane (2011-12)	Energy Audit
6.65	Club Mahindra Varco Beach, Goa (2012-13)	Energy Audit
6.66	Center for Police Research, Pune (2012-13)	Energy Audit
6.67	Taj Madras Flight Kitchen Pvt. Ltd., Chennai (2012-13)	Energy Audit
6.68	Bharat Petroleum Corporation Ltd., Seeware (2012-13)	Energy Audit
6.69	Engineers India Ltd., New Delhi (2012-13)	Energy Audit
6.70	Power Finance Corporation Ltd. New Delhi, (2012-13)	Energy Audit
6.71	Delhi Jal Board, New Delhi (2012-13)	Energy Audit
6.72	Torrent Pharmaceuticals Ltd., Torrent House, Bhatt (2012-13)	Energy Audit
6.73	The Tata Power Company Ltd., (Goregaon Sports Complex) (2012-13)	Energy Audit
6.74	National Bank for Agriculture And Rural Development, Pune (2012-13)	Energy Audit
6.75	Out of The Blue, Pune (2012-13)	Energy Audit
6.76	City Corporation, Pune (2012-13)	Safety Audit
6.77	Mirah Hospitality & Food Solutions Pvt. Ltd., Mumbai Kolkata, New Delhi, Pune, Bangalore, Chennai & Mumbai Outlets (2012-13)	Energy Audit
6.78	Bank of India, Star House, BKC, Mumbai (2012-13)	Energy Audit
6.79	The Tata Power Company Ltd., Mumbai (2012-13-14)	Walkthrough audits at 100 small consumers

A.6 Hotels & Commercial Establishments (Contd.)

6.80	Central Public Works Department, Hyderabad (2012-13)	Energy Audit
6.81	Reserve Bank of India, Ahmedabad (2012-13)	Energy Audit
6.82	The Tata Power Company Ltd., Mumbai - The Fine Art Society, Mumbai (2013-14)	Energy Audit
6.83	Lake Pavna, Tungi, Lonavala (2013-14)	Energy Audit
6.84	Amaravati Municipal Corporation, Amravati (2013-14)	Energy Audit
6.85	The Automotive Research Association of India, Pune (2013-14)	Energy Audit
6.86	Yashwantrao Chavan Academy of Development Administration, Pune (2013-14)	Energy Audit
6.87	Mahatma Gandhi Institute for Rural Industrialization, Wardha (2013-14)	Energy Audit
6.88	DSK Motors Ltd., Pune (2013-14)	Energy Audit
6.89	Serene Properties Pvt. Ltd., Navi Mumbai (2013-14)	Water Flow Measurements
6.90	Airports Authority of India, Ahmedabad (2013-14)	Energy Audit
6.91	Mott MacDonald Pvt. Ltd., Ahmedabad (2013-14)	Energy Audit
6.92	State Bank of India, Ahmedabad (2013-14)	Energy Audit
6.93	Reserve Bank of India, Ahmedabad (2013-14)	Energy Audit
6.94	State Bank of India, MCRO, Ahmedabad (2013-14)	Energy Audit
6.95	Airport Authority of India, Bhubaneshwar (2013-14)	Energy Audit
6.96	City Gold Entertainment Ltd., Ahmedabad (2014-15)	Energy Audit
6.97	Kailash Darshan Hsg. Development Pvt. Ltd., Ahmedabad (2014-15)	Energy Audit
6.98	Cadila Pharmaceuticals Ltd, Corporate House, Ahmedabad (2014-15)	Energy Audit
6.99	The Kalupur Commercial Co-op. Bank Ltd., Ahmedabad (2014-15)	Energy Audit
6.99	Vodafone India Services Pvt. Ltd, Ahmedabad	Energy Audit
6.100	Swami Ramanand Teerth Marathwada University, Nanded (2014-15)	Energy Audit
6.101	Bank of Baroda, New Delhi (2014-15) (Total 206 Branches)	Energy Audit
6.102	Airports Authority of India, Bagdogra (2014-15)	Energy Audit
6.103	Reserve Bank of India, New Delhi (2014-15)	Energy Audit
6.104	Asian Development Bank, New Delhi (2014-15)	ISO 14001 Certification
6.105	Bank of Baroda, Ahmedabad (Total 82 Branches) (2014-15)	Energy Audit
6.106	Kailash Darshan Housing Development Pvt. Ltd., (2014-15)	Energy Audit
6.107	Maharashtra Centre for Entrepreneurship Development, Aurangabad (2014-15)	Energy Audit
6.108	Yashwant Mahavidyalaya, Nanded (2014-15)	Energy Audit
6.109	Centre for Police Research, Pune (2014-15)	Electrical Safety Audit and Implementation of Electric Work
6.110	Solapur University, Solapur (2014-15)	Energy Audit
6.111	Town Hall (Jamnagar Municipal Corporation), Jamnagar (2015-16)	Energy Audit
6.112	Mantra Properties, Pune (2015-16)	Energy Audit

A.7 Paper

7.1	G. Claridge India Pvt. Ltd., Pune (1989)	Pre – Audit Study
7.2	G. Claridge India Pvt. Ltd., Pune (1989 – 90)	Detailed Audit Study
7.3	G. Claridge India Pvt. Ltd., Pune (1990 –91)	Energy Monitoring
7.4	Gaurav Paper Mills Ltd., Nagpur (1999)	Energy Audit
7.5	Rama Newsprint & Paper Ltd., Surat (2001)	Energy Audit / Loan Syndication
7.6	The Paper Products Ltd., Silvassa (2001)	Energy Audit
7.7	The West Coast Paper Manufacturing Co. Ltd., Dandeli (2002)	Energy Audit and Implementation Assistance
7.8	Global Board Ltd., Mahad (2004-05)	Energy Audit
7.9	Lavino Kapur Cottons Pvt. Ltd., Tarapur (2010-11)	Energy Audit
7.10	Nath Pulp and Paper Mills Ltd., Aurangabad (2012-13)	Energy Audit
7.11	Rama Pulp & Papers Ltd., Vapi (2012-13)	Energy Audit
7.12	Hindustan Newsprint Ltd., Kottayam (2012-13)	Energy Audit
7.13	The Mysore Paper Mills Ltd., Bhadravathi (2012-13)	Energy Audit
7.14	The West Coast Paper Mills Ltd., Dandeli (2015-16)	PAT M & V Audit
7.15	BILT Graphic Paper Products Ltd., Sewa (2015-16)	PAT M&V Audit
7.16	BILT Graphic Paper Products Ltd. Ballarpur (2015-16)	PAT M&V Audit
7.17	BILT Graphic Paper Products Ltd. Bhigwan (2015-16)	PAT M&V Audit
7.18	Orient Paper Mills, Shahdol (2015-16)	PAT M&V Audit
7.19	The West Coast Paper Mills Ltd., Dandeli (2015-16)	Mandatory Energy Audit

A.8 Water Works

8.1	GIDC, Ankleshwar Water Works (1994)	Energy Audit
8.2	MIDC, Shahad Water Works, Shahad (1995)	Energy Audit
8.3	MIDC, Shahad Water Works, Shahad (1995)	Energy Monitoring
8.4	MIDC, Poynad Water Works, Alibaug (1999)	Energy Audit
8.5	Surat Municipal Corporation, Surat (2012-13)	Energy Audit
8.6	Water Pumping Works, Jamnagar (Jamnagar Municipal Corporation) (2015-16)	GEDA IGEA Scheme

A.9 Food Processing

9.1	Dr. Writers Food Products Ltd., Sakharwadi (1995)	Energy Audit
9.2	Dr. Writers Food Products Ltd., Sakharwadi (1995)	Energy Monitoring
9.3	Venkys India Ltd., Pune (2003)	Energy Audit
9.4	Umred Agro Complex Ltd., Nagpur (2006)	Energy Audit
9.5	Pepsico India Holdings Pvt. Ltd., Aurangabad (2007)	Energy Audit
9.6	Usher Agro Ltd., Mathura (2007-08)	Energy Audit
9.7	Marico Ltd., Mumbai (2007-08)	Survey for Usage of Biomass in Boilers
9.8	Glaxo Smithkline Consumer Healthcare Ltd., Rajamundry (2008-09)	Energy Audit

A.9 Food Processing (Contd.)

9.9	Glaxo Smithkline Consumer Healthcare Ltd., Sonipat (2008-09)	Energy Audit
9.10	Glaxo Smithkline Consumer Healthcare Ltd., Nabha (2008-09)	Energy Audit
9.11	Monginis Foods Pvt. Ltd., Mumbai (2008-09) (for Reliance Energy Ltd.)	Energy Audit
9.12	ITC Snacks Food Plant, Ranjangaon (2008-09)	Energy Audit
9.13	Godfrey Philips Ltd., Mumbai (2008-09)	Energy Audit
9.14	Glaxo Smithkline Consumer Healthcare Ltd., Gurgaon (2009 – 10)	Boiler Efficiency Tests (Old & New Boilers)
9.15	Glaxo Smithkline Consumer Healthcare Ltd., Rajahmundry on behalf of Energy Excel LLP, London (2010 –11)	Feasibility Study for Rice Husk Firing in Existing Boilers
9.16	Glaxo Smithkline Consumer Healthcare Ltd., Nabha on behalf of Energy Excel LLP, London (2010 –11)	Feasibility Study for Rice Husk Firing in Existing Boilers
9.17	Glaxo Smithkline Consumer Healthcare Ltd., Sonapat on behalf of Energy Excel LLP, London (2010 –11)	Feasibility Study for Rice Husk Firing in Existing Boilers
9.18	General Mills India Pvt. Ltd., Malegaon (2010-11)	Energy Audit
9.19	Hind Agro Industries Ltd., Aligarh (2010-11)	Energy Audit
9.20	Energy Excel LLP, London (2010-11)	Concept definition study for Boiler Fuel Switch at GSK Consumer Healthcare at Nabha, Sonapat & Rajahmundry units
9.21	Glaxo Smithkline Consumer Healthcare Ltd., Sonipat (2012-13)	Feasibility Study for Rice Husk Firing in Existing Boilers
9.22	Glaxo Smithkline Consumer Healthcare Ltd., Nabha (2012-13)	Feasibility Study for Rice Husk Firing in Existing Boilers
9.23	Mother Dairy, Gandhinagar (Total 64 Units across India) (2014-15)	Energy Audit & Implementation Assistance
9.24	Glaxo Smithkline Consumer Healthcare Ltd., Dowleswaran (2014-15-16)	Boiler Efficiency Test
9.25	Rama Krishi Rasayan, Pune (2014-15)	Energy Audit

A.10 Rubber & Tyre

10.1	Bombay Tyre International Ltd., Mumbai (1989)	Energy Audit
10.2	Gujrat Reclaim & Rubber Products Pvt. Ltd., Solapur (1992)	Energy Audit
10.3	CEAT Limited, Bhandup (2007-08)	Energy Audit & Implementation Assistance
10.4	CEAT Limited, Satpur (2007-08)	Energy Audit & Implementation Assistance
10.5	Polybond India Pvt. Ltd., Pune (2007-08)	Energy Audit
10.6	Basant Rubber Factory, Mumbai (2008-09) (for Reliance Energy Ltd.)	Energy Audit
10.7	CEAT Ltd., Muwala (2014-15)	Energy Audit

A.11 Plywood

11.1	Oriental Veneer Products Ltd., Thane (1999)	Energy Audit
11.2	Oriental Veneer Products Ltd., Thane (1999 – 2000)	Energy Monitoring

A.12 Explosives

12.1	Noble Explochem Ltd., Nagpur (1993)	Energy Audit
12.2	Noble Explochem Ltd., Nagpur (1993 – 94)	Energy Monitoring

A.13 Refinery

13.1	Bharat Petroleum Corporation Ltd., Mumbai (2002)	Electrical Energy Audit
13.2	Petroleum Conservation Research Association - Indian Oil Corporation Ltd., Gujarat Refinery, Vadodara (2013-14)	Energy Audit
13.3	Petroleum Conservation Research Association – Bharat Petroleum Corporation Ltd., Mumbai Refinery (2013-14)	Energy Audit
13.4	Petroleum Conservation Research Association – Oil & Natural Gas Company, Hazira / Variav Pumping Station, (2013-14)	Energy Audit

A.14 Sugar / Distillery

14.1	The Godavari Sugar Mills Ltd., Mumbai (2004-05)	Steam Generation, Distribution & Utilisation Study
14.2	Sangamner Bhag Sahakari Sakhar Karkhana Ltd., Sangamner (2005-06)	Energy Audit
14.3	Krishna Sahakari Sakhar Karkhana Ltd., Karad (2005-06)	Energy Audit
14.4	The Sanjivani (Takli) Sahakari Sakhar Karkhana Ltd., Shinganapur (2005-06)	Energy Audit
14.5	Ashok Sahakari Sakhar Karkhana Ltd., Ashoknagar (2005-06)	Energy Audit
14.6	Ghodganga Sahakari Sakhar Karkhana Ltd., Raosaheb nagar (2005 – 06)	Energy Audit
14.7	Shri Chhatrapati Shahu Sahakari Sakhar Karkhana Ltd., Kagal (2005 – 06)	Energy Audit
14.8	Shri Dnyaneshwar Sahakari Sakhar Karkhana Ltd., Newasa (2005 – 06)	Energy Audit
14.9	The Kopargaon Sahakari Sakhar Karkhana Ltd., Gautamnagar, Kolpewadi (2006 – 07)	Energy Audit
14.10	The Malegaon Sahakari Sakhar Karkhana Ltd., Shivnagar (2006 – 07)	Energy Audit
14.11	The Ravalgaon Sugar Farm Ltd., Ravalgaon (2006 – 07)	Energy Audit
14.12	Bhimashankar Sahakari Sakhar Karkhana Ltd., Pargaon (2006 – 07)	Energy Audit

A.14 Sugar / Distillery (Contd.)

14.13	Shree Tatyasaheb Kore Warna Sahakari Sakhar Karkhana Ltd. through Maharashtra Energy Development Agency (2006 – 07)	Performance Evaluation of Seven Stage Sugar Cane Juice Evaporator with Thermo Compressor
14.14	Pad. Dr. Vitthalrao Vikhe Patil Sahakari Sakhar Karkhana Ltd., Pravaranagar (2006 – 07)	Energy Audit
14.15	Kumbhi-Kasari Sahakari Sakhar Karkhana Ltd., Kuditre (2006 – 07)	Energy Audit
14.16	Shree Doodhganga Vedganga Sahakari Sakhar Karkhana Ltd., Bidri, Kagal (2006 – 07)	Energy Audit
14.17	Ajinkyatara Sahakari Sakhar Karkhana Ltd., Shahunagar (2007 – 08)	Energy Audit
14.18	Kisanveer Satara Sahakari Sakhar Karkhana Ltd., Bhujinj (2007 – 08)	Energy Audit
14.19	Vishwasrao Naik Sahakari Sakhar Karkhana Ltd., Yashwantnagar (2007– 08)	Energy Audit
14.20	Jai Bhavani Sahakari Sakhar Karkhana Ltd., Beed (2007 – 08)	Energy Audit
14.21	Mula Sahakari Sakhar Karkhana Ltd., Sonai (2007 – 08)	Energy Audit
14.22	Kranti Sahakari Sakhar Karkhana Ltd., Sangli (2007-08)	Energy Audit
14.23	Unique Sugars Ltd., Dhondiacha (2008-09)	Energy Audit
14.24	Shri Adinath Sahakari Sakhar Karkhana Ltd., Shelgaon (2008-09)	Energy Audit
14.25	Hutatma Kisan Ahir Sahakari Sakhar Karkhana Ltd., Walve (2008-09)	Energy Audit
14.26	Dr. Babasaheb Ambedkar Sahakari Sakhar Karkhana Ltd., Osmanabad (2010-11)	Energy Audit
14.27	Shree Pandurang Sahakari Sakhar Karkhana Ltd, Shreepur (2010–11)	Energy Audit
14.28	Shri Dhyaneswar Sahakari Sakhar Karkhana Ltd, Bhide (2010–11)	Energy Audit
14.29	Sahakarmaharshi Bhausaheb Thorat Sahakari Sakhar Karkhana Ltd., Amrutnagar (2010-11)	Energy Audit
14.30	Shree Someshwar Sahakari Sakhar Karkhana Ltd., Someshwarnagar (2011-12)	Energy Audit
14.31	Samrath Sahakari Sakhar Karkhana Ltd., Ankushnagar (2011 – 12)	Cogen Plant Energy Audit as per MERC Guidelines
14.32	Mula Sahakari Sakhar Karkhana Ltd., Sonai (2012-13)	Energy Audit at Sugar & Cogen Plant
14.33	Ashok Sahakari Sakhar Karkhana Ltd., Ahmednagar (2012-13)	Energy Audit at Sugar Mill & Distillery Unit
14.34	Hemarus Industries Ltd., Kolhapur (2012-13)	Energy Audit
14.35	Malegaon Sahakari Sakhar Karkhana Ltd., Malegaon (2012-13)	Energy Audit at Sugar Mill, Distillery Unit & Cogen Plant
14.36	Sahakar Maharshi Shankrao Mohite Patil Sahakari Sakhar Karkhana Ltd., Akluj (2012-13)	Energy Audit at Sugar Mill, Distillery Unit & Cogen Plant

A.14 Sugar / Distillery (Contd.)

14.37	Purna Sahakari Sakhar Karkhana Ltd., Basamathnagar (2012-13)	Energy Audit at Sugar Mill & Distillery Unit
14.38	Samarth Sahakari Sakhar Karkhana Ltd., Ankushnagar (2012-13)	Cogen Plant Energy Audit as per MERC Guidelines
14.39	Shri Dnyaneshwar Sahakari Sakhar Karkhana Ltd., Dnyaneshwarnagar (2012-13)	Cogen Plant Energy Audit as per MERC Guidelines
14.40	Shree Pandurang Sahakari Sakhar Karkhana Ltd., Shreepur (2012-13)	Cogen Plant Energy Audit as per MERC Guidelines
14.41	Shri Shankar Sahakari Sakhar Karkhana Ltd., Sadashivnagar (2012-13)	Cogen Plant Energy Audit as per MERC Guidelines
14.42	Shri Someshwar Sahakari Sakhar Karkhana Ltd., Someshwarnagar (2012-13)	Cogen Plant Energy Audit as per MERC Guidelines
14.43	Vikas Sahakari Sakhar Karkhana Ltd., Nivli, Latur (2012-13)	Energy Audit as per MERC Guidelines
14.44	Vikas Sahakari Sakhar Karkhana Ltd., Nivli, Latur (2012-13)	Energy Audit at Sugar Mill, Distillery Unit & Cogen Plant
14.45	Vitthal Corporation Ltd., Vitthalrao Shinde Nagar, Mhaisgaon (2012-13)	Energy Audit at Sugar Mill, Distillery Unit & Cogen Plant
14.46	Y. M. Krishna Sahakari Sakhar Karkhana Ltd., Shivnagar (2012-13)	Cogen Plant Energy Audit as per MERC Guidelines
14.47	Lokmangal Sugar Ethanol & Co-generation Ind. Ltd., Solapur (2013-14)	Energy Audit as per MERC Guidelines
14.48	Shreenath Mhaskoba Sakhar Karkhana Ltd., Shreenathnagar (2013-14-15-16)	Energy Audit & Harmonic Analysis
14.49	Lokmangal Mauli Industries Ltd., Solapur (2014-15)	Cogen Plant Energy Audit as per MERC Guidelines
14.50	Lokmangal Sugar Ethanol & Co-generation Ind. Ltd., Solapur (2014-15)	Cogen Plant Energy Audit as per MERC Guidelines
14.51	Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Kolhapur (2014-15-16)	Energy Audit
14.52	Samarth Sahakari Sakhar Karkhana Limited., Jalna (2014-15)	Energy Audit
14.53	Vikas Sahakari Sakhar Karkhana Ltd., Nivli, Latur (2014-15)	Energy Audit
14.54	Vitthal Corporation Ltd., Mhaisgaon (2014-15)	Energy Audit
14.55	Y. M. Krishna Sahakari Sakhar Karkhana Ltd., Shivnagar (2014-15)	Energy Audit
14.56	Dr. Babasaheb Ambedkar Sahakari Skhar Karkhana Ltd., Osmanabad (2014-15-16)	Energy Audit
14.57	Vikas Sahakari SAKhar Karkhana Ltd., Latur (2015-16)	Cogen Plant Energy Audit as per MERC Guidelines
14.58	Samarth Sahakari Sakhar Karkhana Ltd., Jalna (2015-16)	Cogen Plant Energy Audit as per MERC Guidelines

A.15 Steel / Re-Rolling Mills

15.1	Mukand Ltd., Kalwa for Hindustan Petroleum Corporation Ltd., Mumbai (2005-06)	Thermal Energy Audit
15.2	Shree Precoated Steel Ltd., Pune (2008-09)	Energy Audit
15.3	UNDP – GEF – Ministry of Steel Project, New Delhi (2010 to 2012)	Resident Mission for West Zone
15.4	Hindustan Zinc Ltd., Udaipur (CLZS CPP, Hydro I & II, PYRO Units) (2011 – 12)	Energy Audit
15.5	JSW – Ispat Ltd., Donvat (2011-12)	Energy Audit
15.6	Uttam Galava Steel Ltd., Khopoli (2012-13)	Energy Audit
15.7	Mukand Ltd., Kalwa, Thane (2013-14)	PAT M & V Audit
15.8	Mahindra Ugine Steel Co. Ltd., Kanhe (2012-13)	Energy Audit
15.9	Bhushan Steel Ltd., Khalapur (2015-16)	PAT M & V Audit
15.10	Electrotherm India Ltd, Samakhiali (2015-16)	Energy Audit
15.11	Mukand Ltd, Thane (2015-16)	Mandatory Energy Audit
15.12	SULB Steel, Bahrain (2015-16)	Energy Audit
15.13	Lloyds Metals & Energy Ltd., Chandrapur (2015-16)	Mandatory Energy Audit

A.16 Glass

16.1	Asahi India Glass Ltd., Mumbai (2007-08)	Energy Audit
16.2	Samtel Colour Ltd., Ghaziabad (2008-09)	Energy Audit
16.3	Samtel Glass Ltd., Kota (2008-09)	Energy Audit

A.17 Fertilizer / Acid Plant

17.1	MISA Eco BAVA, Belgium (2006-07)	Energy Audit
17.2	Nilefos Chemie NV, Spain (2006-07)	Energy Audit
17.3	Deepak Fertilizers & Petrochemicals Corporation Ltd., Taloja (2010-11)	Energy Audit
17.4	Nagarjuna Fertilizers and Chemicals Ltd., Kakinada (2010-11)	Energy Audit

A.18 Power Plants / Cogen Units

18.1	Energy Audit of 3 MW plant & DG sets at M/s Birla Cement Ltd., Chittodgarh, Rajasthan.
18.2	Energy Audit and performance evaluation of 10 MW back pressure Captive Power Plant for M/s Rhodia – Spent Acid Plant at Belgium.
18.3	Energy Audit and performance evaluation of 15 MW gas turbine Captive Power Plant for M/s Rhodia – Spent Acid Plant at Spain. Study led to improving waste heat recovery potential at HRSG. Study also involved installing a new 20 MW GT with export of surplus power to the grid
18.4	Energy Audit and Performance Evaluation of 6 MW Captive Power Plant at M/s Chemplast Sanmar Ltd., Metter dam, Tamil Nadu
18.5	Energy Audit and Performance Evaluation of 6 MW Captive Power Plant at Sterlite Optical Fibres, Aurangabad

A. 18 Power Plants / Cogen Units (Contd.)

18.6	Energy Audit and Performance Evaluation of 6 MW Captive Power Plant at M/s Pudumjee Pulp & Paper Mills, Pune.
18.7	Energy Audit and Performance Evaluation of 15 MW gas turbine Captive Power Plant for M/s Samtel Color Ltd., Gaziabad
18.8	Energy Audit and Performance Evaluation of 12 MW Captive Power Plant for M/s Samtel Glass Ltd., Kota
18.9	Energy Audit and Performance Evaluation of 22 MW HFO fired Captive Power Plant for M/s Mukund Ltd. at Thane. Study led to implementation of waste heat recovery from exhaust and offsetting existing HFP fired boiler operation
18.10	Energy Audit and Performance Evaluation of 20 MW gas turbine Captive Power Plant for M/s BPCL, Mumbai
18.11	Energy Audit and Performance Evaluation of 22 MW Cogen plant for M/s Shamanur Sugar and 24.5 MW at Davangere Sugar at Karnataka
18.12	Energy Audit and Performance Evaluation of 80 MW Coal Fired Power Plant by M/s Indrajit Infrastructure Pvt. Ltd., Wardha
18.13	Vedanta Aluminum Ltd., Jharsuguda (Captive Power Plant, 135 MW x 2 nos.)
18.14	Panipat Thermal Power Station, Haryana (Total 8 Plants)
18.15	The TATA Power Company Ltd., Mahol (Plant 5, 6 & 8), PAT M&V Audit
18.16	The TATA Power Company Ltd., Mahol (Plant 7), PAT M&V Audit

A.19 Demand Side Management Studies

19.1	Agriculture Demand Side Management Project at Mangalvedha feeders under Maharashtra State Electricity Distribution Company Ltd., Maharashtra for Bureau of Energy Efficiency (2009-10)
19.2	Agriculture Demand Side Management Project at Bhavnagar, Surendranagar & Jamnagar circle's under Paschim Gujarat Vij Company Ltd., Gujarat for Bureau of Energy Efficiency (2009-10)
19.3	Agriculture Demand Side Management Project at Anand under Madhya Gujarat Vij Co. Limited, Gujarat for Bureau of Energy Efficiency (completed in 2009-10)
19.4	Municipal Demand Side Management Project at Pune Municipal Corporation, Pune, Maharashtra for Bureau of Energy Efficiency (2010-11)
19.5	Municipal Demand Side Management Project at Pimpri Chinchwad Municipal Corporation, Pimpri-Chinchwad, Mah. for Bureau of Energy Efficiency (2010-11)
19.6	Municipal Demand Side Management Project at Nashik Municipal Corporation, Nashik, Maharashtra for Bureau of Energy Efficiency (2010-11)
19.7	Municipal Demand Side Management Project at Durgapur Municipal Corporation, West Bengal for Bureau of Energy Efficiency (2010-11)
19.8	Municipal Demand Side Management Project at Rajpur-Sonarpur Municipal Corporation, West Bengal for Bureau of Energy Efficiency (2010-11)
19.9	Energy Audit of 8 Nos. of Feeders under Southern Power Distribution Company of Andhra Pradesh Limited (APSPDCL), Tirupati (2010-11)
19.10	Agriculture Demand Side Management (Ag DSM) Pilot Project in Andhra Pradesh East DISCOM (2011-12)
19.11	Implementation of Monitoring & Verification (M&V) Protocol in Solapur, Maharashtra under Ag-DSM Scheme (2011-12-13-14-15-16)

A.19 Demand Side Management Studies (Contd.)

19.12	Preparation of Sector Specific Annual Energy Saving Plan for Municipal Corporations and Municipalities Punjab State (2013-14)
19.13	Energy Efficiency Services Ltd., New Delhi - Load Research and Analysis at Chamundeshwari (2014-15)
19.14	Energy Efficiency Services Ltd., New Delhi - Load Research and Analysis at Gulbarga (2014-15)
19.15	Energy Efficiency Services Ltd., Demand Side Management based Efficient Lighting Program (DELP) at - Eastern Power Distribution Company of A.P. Ltd, Andhra Pradesh (2014-15)
19.16	Energy Efficiency Services Ltd., New Delhi - Load Research and Analysis (2015-16) Power Distribution Company of Himachal Pradesh, Shimla.

A.20 Gems & Jewellery

20.1	Shreenuj Gems & Jewellery Pvt. Ltd., Mumbai (2010-11)	Energy Audit
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A.21 Mines & Ore

21.1	Petroleum Conservation Research Association – Kudremukh Iron Ore Company Ltd., Bangalore (2012-13)	Energy Audit
21.2	Hindustan Zink Ltd., Sindesar Khurd Mines, Udaipur (2013-14)	Energy Audit

A.22 Hospitals

22.1	Asian Heart Institute, Mumbai (2008-09) (for Reliance Energy Ltd.)	Energy Audit
22.2	Santokba Durlabhji Memorial Hospital, Jaipur (2010-11)	Energy Audit
22.3	Wanless Hospital, Miraj (2012-13)	Energy Audit
22.4	Krishna Institute of Medical Sciences Deemed University, Karad (2013-14)	Energy Audit & Implementation Assistance
22.5	Krishna Institute of Medical Sciences Deemed University, Karad (2013-14)	Power quality audit & harmonics solutions
22.6	Krishna Institute of Medical Sciences Deemed University, Karad (2013-14)	Up gradation of Sub-station and Power Distributions Systems
22.7	Pravara Medical Trust, Loni (2014-15)	Energy Audit
22.8	All India Institute of Medical Sciences, New Delhi (2015-16)	Energy Audit

A.23 Safety Audits

23.1	MIDC Shahad Water Works, Shahad (1995)	Electrical Safety Audit
23.2	Bharti Cellular Ltd., Pune (2005-06)	Electrical Safety Audit
23.3	Bharti Tele-Ventures Ltd., Pune (2006-07)	Electrical Safety Audit

A. 23 Safety Audits (Contd.)

23.4	Labriz Silhouette, Seychelles (2006 – 07)	Electrical Safety Audit
23.5	Honeywell Automation India Ltd., Lonikand (2007- 08)	Electrical Safety Audit
23.6	AXA Business Services Pvt. Ltd., Pune (2009-10)	Electrical Safety Audit
23.7	Rolta India Ltd., Gurgaon (2009-10)	Electrical Safety Audit
23.8	ADM Agro Industries Dharwad Pvt. Ltd., Dharwad, (2011-12)	Electrical Safety Audit
23.9	ADM Agro Industries Kota & Akola Pvt. Ltd., Akola (2011-12)	Electrical Safety Audit
23.10	ADM Agro Industries Kota & Akola Pvt. Ltd., Kola (2011-12)	Electrical Safety Audit
23.11	ADM Agro Industries Latur & Vizag Pvt. Ltd., Latur (2012-13)	Electrical Safety Audit
23.12	ADM Agro Industries (i) Pvt. Ltd., Nagpur (2012-13)	Electrical Safety Audit
23.13	Edelweiss Financial Services Ltd., Mumbai – 77 branches (2012-13)	Electrical & Fire Safety Audit
23.14	National Bank for Agriculture & Rural Development, Pune (Office Premises & Staff Quarters (2012-13)	Safety Audit
23.15	City Corporation Ltd., Pune (2012-13)	Electrical Safety Audit
23.16	Bank of India, Star House, BKC, Mumbai (2012-13)	Electrical Safety Audit
23.17	Mott McDonald Pvt. Ltd, Ahmedabad Office (2014-15)	Electrical Safety Audit
23.18	Bank of Baroda, Ahmedabad (2014-15)	Electrical Safety Audit
23.19	Bank of Baroda, New Delhi – 206 branches (2014-15)	Electrical Safety Audit
23.20	Chemspec Chemicals Pvt Ltd., Taloja (2015-16)	Safety Audit
23.21	City Corporation, Pune (2014-15)	Safety Audit
23.22	Nipur Chemical Ltd., Mumbai (2015-16)	Safety Audit

A. 24 Water Audit

24.1	Antea USA, Inc (2013-14)	Water Assessment Study
24.2	Larsen & Toubro Limited, Mumbai (2011-12)	Water Audit
24.3	Mahindra Sanyo Special Steel Private Limited, Khopoli (2014-15)	Water Audit
24.4	Mutha Founders Pvt. Ltd., Satara (2015-16)	Water Audit
24.5	Nipur Chemical Ltd., Mumbai (2015-16)	Water Audit
24.6	Seco Tools India (P) Ltd., Pune (2015-16)	Water Audit

A. 25 Chlor & Alkali

25.1	Petroleum Conservation Research Association, Chennai - Tuticorin Alkali Chemicals & Fertilizers Ltd., Tuticorin (2012-13)	Energy Audit
25.2	Punjab Alkalies & Chemicals Limited	M & V Audit
25.3	Meghmani Finechem Ltd., Bharuch (2015-16)	Mandatory Energy Audit

A.26 Others

26.1	Thermax Ltd., Khopoli (1994)	Project Energy Audit
26.2	Owens Corning (India) Ltd., Taloja (2004-05)	Implementation of Power Factor & Power Quality Improvement Scheme through ESCO

A.26 Others (Contd.)

26.3	EDCL Power Projects Limited, Kolkatta	Detailed Feasibility Report on Waste Heat Recovery Systems on Gas Fired Generating Sets
26.4	Konark Power Project Ltd., Secunderabad (2007-08)	Independent Verification & Investigation of Energy Conservation Projects
26.5	Reliance Infrastructure Ltd., Navi Mumbai (2011-12)	Load Research at Five Divisions – North, Central, South Central, South and East within MCGM and MBMC Area
26.6	Petroleum Conservation Research Association, New Delhi (2011-12)	Third Party Independent Evaluation Agency – Energy Accounting in Uttar Pradesh (Meerut & Lucknow)
26.7	Reliance Infrastructure Ltd., Navi Mumbai (2011-12)	Load Research Study for 5 Housing Societies
26.8	Energy Efficiency Services Limited., New Delhi (2014-15)	Sample Survey Agency for implementation of Demand Side Management based Efficient Lighting Program (DELP) - BSES Yamuna Power Ltd., New Delhi

B. Awareness Programs, Business Meets, Seminars, Capacity Building Programs, Training Packages etc.

- Awareness Program on Energy Conservation for MEDA at Pune and Mumbai (1987)
- Awareness Program on Energy Conservation for IDBI at Chennai (1987)
- Awareness Program on Energy Conservation for MEDA at Aurangabad and Kolhapur (1990)
- Awareness Program on Energy Conservation for Ankaleshwar Industrial Association at Ankaleshwar (1993)
- Awareness Program on Energy Efficiency in Sugar Industries for USAID / MoP (1995)
- Business Meet cum Exhibition on ESCO Development at Pune, sponsored by IREDA (1998)
- Awareness Programs on Energy Conservation for Various Industrial Association in Maharashtra and Gujarat State (1999 – till date)
- Business Meet cum Exhibition on Energy Efficiency at Pune, sponsored by IREDA (2000)
- Business Meet cum Exhibition on Energy Efficiency at Mumbai, sponsored by IREDA (2000)
- Business Meet cum Exhibition on Energy Efficiency for Cement Industry at Mumbai, sponsored by IREDA (2001)
- Business Meet cum Exhibition on Energy Efficiency for Hotels and Commercial Establishments at Mumbai, sponsored by IREDA (2001)
- Business Meet cum Exhibition on Energy Efficiency for Textile Industry at Mumbai, sponsored by IREDA (2002)
- Business Meet cum Exhibition on Energy Efficiency for Forging Industry at Pune, in association with Association of Indian Forging Industry (2002)
- Business Meet cum Exhibition on Energy Efficiency for Rubber Industry at Pune, in association with All India Rubber Industries Association (2002)
- Sensitization Program for Foundry Units at Kolhapur for Adaptation of Energy Efficient Technologies, Sponsored by TERI (2002)
- Training Program on MSEB Tariff Structure, sponsored by Venky's (India) Ltd. at MCCIA, Pune (2002)
- Business Meet on Energy Efficiency for Sugar Industries & Distilleries at Mumbai, sponsored by IREDA (2003)
- Business Meet on ESCO Development at Kolhapur, sponsored by IREDA (2003)
- Specialized Training Program for various stakeholders under energy efficiency capacity building initiative, organized by Winrock International India (2005 & 2006)
- 60 days Diploma Course on Energy Efficiency & Conservation (2005)
- National Workshop on Removal of Barriers to Enhance Energy Efficiency in Steel Re-Rolling Mills for UNDP – GEF – Ministry of Steel at Goa (2010-11)
- Business Meet on “Energy Efficiency/Conservation Measures in Sugar Industries Covering” the States of Uttar Pradesh and Uttarakhand for Indian Renewable Energy Development Agency Limited, New Delhi (2011–12)

C. Macro Studies / Assignments

- Situation Report on Energy Conservation for IDBI (1987)
- Energy Efficiency Data Protocol for Sugar Mills in Western Region for Winrock / USAID (1996)

- Dissemination of Energy Efficient Cupola and Pollution Control Device in Kolhapur Foundry Cluster for TERI / SDC (2002)
- Benchmarking Studies for Textile and Pulp & Paper sector under Perform, Achieve & Trade (PAT) Scheme for Energy Efficiency Services Ltd. (2011-12)

D. Special Assignments

- Participation in Expert Group Meeting of UNIDO on Energy Efficiency, Cogeneration and Climate Change at Vienna (1999)
- Best Consultants Award from Consultancy Development Center, New Delhi (1999)
- Energy Management Software Development Project for M/s EnTech Energy Consultants, UK (1999 – 2001)
- Best Business Development Awards from IREDA under TCO Category for 1999, 2000, 2001, 2002
- As per the directives of MERC, MITCON undertook water pumping energy audits at 11 high rise commercial buildings in Mumbai, in year 2007-08 for The Brihan Mumbai Electric Supply & Transport Undertaking (BEST).
- As per the directives of MERC, M/s Reliance Energy Ltd. (REL) has initiated DSM programs. REL has started undertaking energy audits at short listed customer's premises. REL has awarded MITCON an assignment to undertake energy audits at 101 commercial & industrial REL customers in Mumbai, in year 2007-08.
- Similarly, M/s The TATA Power Company Ltd. (TTPCL) has also initiated DSM programs. TTPCL has short listed MITCON to undertake the energy audits.
- UNDP – GEF – Ministry of Steel Project on Removal of Barriers to Energy Efficiency Improvement in the Steel Rolling Mill Sector in India : Regional Manager for West Zone
- WB-SIDBI-BEE : Pune Forging Cluster Co-ordination Consultant
- Impact Assessment of the ECBC Scheme during XI Five Year Plan for Bureau of Energy Efficiency, New Delhi

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