



Energy Management Centre - Kerala
(Department of Power, Govt of Kerala)

CERTIFICATE OF EMPANELMENT

*This is to certify that **M/s. Mitcon Consultancy & Engineering Services Ltd**, (1st Floor, Kubera Chambers, J. M. Road Shivajinagar, Pune – 411005), is empanelled as Energy Audit firm in Energy Management Centre Kerala to conduct mandatory energy audit as per Government of Kerala G.O (Rt) No.2/2011/PD dated 01.01.2011.*

Empanelment No:
EMCEEA- 2412F-2

Scope/Area	Building	Industry -Electrical	Industry Thermal
	Yes	Yes	Yes

This empanelment is valid up to 05/08/2024

Issuing Date: 06/08/2021

Place: Thiruvananthapuram

Director,
Energy Management Centre Kerala

	Information of firm	
1.	Name & Address of the Firm	M/s. MITCON Consultancy & Engineering Services Limited 1 st Floor, Kubera Chambers, J. M. Road, Shivajinagar, Pune – 411 005, Maharashtra.
	Office (with STD)	+91-20-66289125
	Mobile	+91-8669661689
	Fax Number	+91-20-25533206
2.	Website (if any)	https://www.mitconindia.com/
3.	Email	t e n d e r c e l l @ m i t c o n i n d i a . c o m
4.	Name, Designation and address of Contact person	Name: Mr. Ganesh Salunke Designation: Assist. Vice President Address: 1 st Floor, Kubera Chambers, J. M. Road, Shivajinagar, Pune – 411 005, Maharashtra.
5.	Office (with STD)	+91-20-66289125
	Residence(with STD)	-
	Mobile	+91-8669661689
6.	Email	g a n e s h . s a l u n k e @ m i t c o n i n d i a . c o m
7.	Year of Establishment	1982
8.	Year of commencement of energy audit by the Firm.	2000
9.	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	<p>1. <u>Delhi Office:</u> Name: Mr. Mohammad Anjum Mushtaque Alam Designation: Chief Consultant Tel. No.: +91-11-66181200 Mob: +91-7290981034 / 9205309034 Email: muhammad.anjum@mitconindia.com Address: 807, Mercantile House, KG Marg, Connaught Place, New Delhi – 110 001</p> <p>2. <u>Ahmedabad Office:</u> Name: Mr. Chintan Shah Designation: Chief Consultant Mob: +91 9978836764 Email: chintan.shah@mitconindia.com s Address: Unit No.15, 2nd Floor, Ratna Business Square, Ashram Road, Opp. H.K. College, Ahmedabad 380 009, Gujarat</p> <p>3. <u>Bangalore Office:</u> Name: Mr. B.M. Sajjan Designation: Exe. Vice President</p>

Mob: +91-9164007067

Email: sajjan@mitconindia.com

Address: #403, 4th Floor, A Wing, Mittal Tower, No.6, M.G. Road, Bengaluru 560 001

4. Chennai Office:

Name: Mr. A. S. Ravi Selvan

Designation: Executive Vice President

Mob: +91-9940093161 / 7550065161

Email: ravis@mitconindia.com

Address: Module 4A, 4th Floor, Raintree Palace, MC Nichols Road, Chetpet, Chennai 600 031.

5. Mumbai Office:

Name: Mr. Lajim Shaikh

Designation: Exe. Vice President

Tel. No.: +91-22-22828200

Fax No.: +91-22-22024553

Mob: +91-8355887916

Email: lajim.shaikh@mitconindia.com

Address: 1402/1403, 14th Floor, Dalamal Towers, Free Press Journal Marg, 211 Nariman Point, Mumbai - 400 021

Details of Associated Energy Experts and Audits Conducted by firm

1. Number of resource persons available: **08 Nos (List attached)**
2. Number of full-time energy auditors in position, with work experience of all energy auditors associated with the firm: **07 Nos (Details are as below)**

Sr. No.	Name of the Key Persons	Position	Qualification	Experience
1.	Mr. Dhawal Marghade	Principal Consultant	B. E. (Electrical) EA-29620 (BEE Certified)	07+ Years
2.	Mr. Akash More	Senior Consultant	B.E. (Mechanical) EA-30313 (BEE Certified)	05+ Years
3.	Mr. Chitan Shah	Project Consultant	B. E. (Electrical) EA-29694 (BEE Certified)	07+ Years
4.	Mr. Pratik Srivastava	Project Consultant	B. E. (Electrical) EA-32215 (BEE Certified)	05+ Years
5.	Mr. Muhammad Anjum	Chief Consultant	B. Tech (Mechanical), MBA AEE-90930	12+ Years
6.	Mr. Rahul Kumar	Senior Consultant	B. E. (Electrical & Electronic) EA-30703 (BEE Certified)	06+ Years
7.	Mr. Jignesh Patel	Associates	M. Tech. (Energy System Engineering), MBA AEA-0184 (BEE Accredited)	16+ Years

3. No. of part-time energy auditors in position during the current year / previous year associated with the firm: **01 No (Details are as below)**

Sr. No.	Name of the Key Person	Certification	BEE Registration Number
1.	Mr. Nikhil Mohite	Energy Manager	EA – 25501

4. Sectors in which the energy audit firm has conducted energy audits since inception and number of audits in each sectors

No. of sectors : 30
Number of energy audits conducted since inception : More than 1000

5. Energy audit process system (list sectors)

No. of sectors: 05 (Chemicals / Pharmaceuticals/Petrochemicals, Food Processing, Dairy, Refinery, Fertilizers & Acid Plants, Chlor and Alkali)

6. Energy audit Thermal Utility system (list sectors)

No. of sectors: 08 (Textile, Paper, Rubber & Tyre, Explosive, Sugar /Distillery, Steel / Re-rolling Mills, Glass, Cement Power Plants & Co-gen Units)

7. Energy audit Electrical Utility Units (list sectors)

No. of sectors: 15 (Foundry, Engineering, Plastic, Hotels & Commercial Establishment, Water Works, Plywood, Demand Side Management Studies, Gems & Jewelers, Mines & Ores, Hospitals, Safety Audits, Water Audits, Hydro – Geological Survey & Rain Water Harvesting System, Others, Distribution Company)

LIST OF ENERGY AUDIT INSTRUMENTS LIST

S. No.	Name of the Instrument	Model No.	Serial No.	Calibration Date	Calibration Certificate
1	Power Analyzer	Krykard ALM-35	211124	09-12-2020	Yes
2	Digital Clamp Meter	MECO-3150	YC-407297	04-07-2020	Yes
3	Flue Gas Analyzer	ACE-9000	9000103	03-10-2020	Yes
4	Thermal Imager	Testo 881	5630881	07-11-2020	Yes
5	Ultrasonic Flow meter	Siemens:FUP1010-SITRANS F	38521	18-06-2020	Yes
6	Tachometer	LUTRON DT-2236	AE.40806	04-07-2020	Yes
7	Multifunction Instrument	Testo 435-A	2459314	02-06-2020	Yes
8	Insulation Tester	MECO- DIT 99E	YC-607402	04-07-2020	Yes
9	Load Manager	Krykard ALM-10	103371	06-11-2020	Yes
10	RH meter	Amprobe-TR 300	15080150	05-11-2020	Yes
11	Anemometer	Amprobe	15080038	05-11-2020	Yes
12	Thermal Imager	Testo	2327204	05-11-2020	Yes
13	IR Thermometer	Fluke	98920044	05-11-2020	Yes
14	Kane 900Plus	Kane International	40415017	24-11-2020	Yes
15	Kane 900Plus	Kane International	41511035	24-11-2020	Yes
16	Lux Meter	Kusam MECO	DLM-01	04-07-2020	Yes
17	Earth Resistance Tester	WACO	62036	04-07-2020	Yes

CURRICULUM VITAE (CV)

Name of Consultant: M/s. MITCON Consultancy & Engineering Services Ltd.

Name of Staff: Dhawal Marghade

Date of Birth: 20th April, 1991

Year of Experience: 7+ years

Nationality: Indian

Membership in Professional Societies: Certified Energy Auditor (EA-29694), Bureau of Energy Efficiency, Under Ministry of Power, Gov. of India

Detailed Tasks Assigned:

- Data mining
- Data collection
- Preparation of transcripts
- Identifying energy efficiency opportunities
- Preparation of Reports

Key Qualification:

1. Energy Audit
 2. Energy Efficiency Improvement/Modification
 3. Clean Development Mechanism (CDM)
 4. Detailed Project Report (DPR)
 5. Techno-Economic Viability (TEV) Study
 6. Demand Side Management (DSM) Study
 7. Power Quality Study
-
- Detailed Energy Audit at Jindal Power Ltd (2 x 250 MW), Raigarh, Chhattisgarh
 - Detailed Energy Audit Satna Cement Works, Satna, Madhya Pradesh
 - Detailed Energy Audit Jayaswal Neco Industries Ltd, Raipur, Chhattisgarh
 - Detailed Energy Audit Vaswani Industries, Siltara, Chhattisgarh
 - Detailed Energy Audit Ambuja Cements, Bhatapara, Chhattisgarh
 - Detailed Energy Audit Hi-Tech Power and Steels, Tilda, Chhattisgarh
 - Detailed Energy Audit at Singareni Thermal Power Plant (2x600 MW), Pegadapalli, Telangana
 - Proposed various modifications in Singareni Thermal Power Plant Under Energy Efficiency division
 - Assessment of "Demand Side Management(DSM)/Energy Efficiency (EE) options in Small scale Industrial Consumers for Low Carbon Growth"
 - Investment Grade Energy Audit for "Market Transformation and Removal of Barriers for Effective Implementation of the State-Level Climate Change Action Plans" in Jharkhand state under UNDP and JREDA
 - Study to Identify and assess the energy saving potential in Six Production Units (PUs) of Indian Railways
 - Performed Energy Audits under DSM Energy Efficiency project and MSME sectors
 - Performed Energy Audit at HEG Ltd, Mandideep, Bhopal
 - Six Sector Reports for "Energy Efficiency Improvement" for Steel Product, Paper, Glass, Chemical, Clay & Ceramics and Mining Industry at The Kingdom of Saudi Arabia under "Saudi Energy Efficiency Centre"

Educational

Level	Qualification Level	Topic of the Subject	University/Board	Year of Passing
PG Diploma	Diploma	Thermal Power Plant Engineering	National Power Training Institute	2013-2014
Graduation	B.E.	Electrical & Electronics Engineering	CSVTU, Bhilai	2012-2013

Employment Record:

Designation/Position	Employer Name	Period
Chief Consultant	MITCON Consultancy & Engineering Services Limited as Chief Consultant	August 2019- Present
Project Associate	The Energy and Resources Institute (TERI)	April 2019 – July 2019
Engineer	STEAG Energy Services India Pvt. Ltd.	January 2017- March 2019
Energy Engineer	MCJ Energy Engineers Pvt. Ltd.	September 2014- December 2016

Languages:

Languages	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Hindi	Excellent	Excellent	Excellent
Marathi	Excellent	Excellent	Excellent

Certification

I am willing to work on the Project and I will be available for entire duration of the Project assignment as required. I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experience.

Place: Pune

Date: 05/08/2021

Name: Dhawal Marghade

Curriculum Vitae (CV)

Name of Consultant: M/s. MITCON Consultancy & Engineering Services Ltd.

Name of Staff: Mr. Akash More

Date of Birth: 01st February 1993

Year of Experience: 5+ years

Nationality: Indian

Membership in Professional Societies: Certified Energy Auditor (EA-30313), Bureau of Energy Efficiency, Under Ministry of Power, Gov. of India.

Detailed Tasks Assigned:

- Planning for Energy Audit.
- Leading Energy Audit Team for data collection, measurements, analysis and preparation of Energy Audit Report
- Primary Data collection from plant and measurements taken during Field Analysis for Energy Conservation Measures /Solutions and prepare a detailed Report on Observations and Steps to be taken for Energy Conservation.
- Data Collection and performance testing of HVAC (Duct Designing, Installation & Commissioning), Pumping System, Fans& Blowers, Compressors, Cooling Towers, Process Machineries, LT power distribution systems, DG SET, Compressor, Diesel/Gas Generators, Transformers, Capacitors, AC Motors, Lighting, Thermography with the help of tools.
- Performance Analysis Calculations of Boiler, Air preheater, Economizers, Steam Turbine, Gas Turbine, HRSG, Heat Exchanger and other thermal Utility.
- Costing/Investment requirement, Pay Back Period and Internal Rate of Return Calculation.
- Dealing with Clients for Technical discussion, preparing proposals, submitting reports.

Key Qualifications:

Certified Energy Auditor from Bureau of Energy Efficiency (Ministry of Power, GOI) and having varied experience in energy auditing of various industries including thermal power plants, Co-generation Power Plant, sugar industry, food industry, dairy industry, commercial buildings, Engineering etc. He is well versed with energy and efficiency related measurements and analysis of major energy consuming equipment.

Some assignments handled are:

1. Detailed Energy Audit & Feasibility Study for Solar PV Project at Indapur Dairy & Milk Products Ltd, Indapur, Pune, Maharashtra, India
2. Energy Audit at Shivshakti Sugars Limited, Karnataka.
3. Energy Audit at Roquette India Pvt. Ltd., Karnataka
4. Energy audit and Harmonics Study at Krishnapatnam Port Company Limited, Nellore, Andhra Pradesh

5. Six Sector Reports for “Energy Efficiency Improvement” for Steel Product, Paper, Glass, Chemical, Clay & Ceramics and Mining Industry at The Kingdom of Saudi Arabia under “Saudi Energy Efficiency Centre.
6. Detailed Energy audit at Ordnance Factory Ambajhari, Nagpur, Maharashtra, 440021, India
7. Energy audit at Late Kedari Redekar Ayurvedic Mahavidyalaya, Gadhinglaj, Kolhapur, Maharashtra, India
8. Energy audit at Annasaheb Dange Ayurvedic Medical College, Ashta, Sangali, Maharashtra, India.
9. Detailed Energy Audit in more than 6 commercial building spaces.
10. Detailed Energy Audit at Jawahar Shetakari Sahakari Sakhar Karkhana Limited, Hupari, Kolhapur, Maharashtra, India.
11. Detailed Energy Audit at Ashok Sahakari Sakhar Karkhana Limited, Ahmednagar, Maharashtra.
12. Detailed Energy Audit at Vishwasrao Naik Sahakari Sakhar Karkhana Limited, Sangli, Maharashtra.
13. Detailed Energy Audit at Shri Dudhganga Vedganga Sahakari Sakhar Karkhana Limited, Bidri, Kolhapur, Maharashtra.
14. Detailed Energy Audit at Shri Pandurang Sahakari Sakhar Karkhana Limited, Solapur, Maharashtra.
15. Detailed Energy Audit at Shri Someshwar Sahakari Sakhar Karkhana Limited, Baramati, Pune, Maharashtra.
16. Detailed Energy Audit at Shree Chhatrapati Shahu Sahakari Sakhar Karkhana Limited, Kagal, Kolhapur, Maharashtra.
17. Detailed Energy Audit at Rajarambapu Patil Sahakari Sakhar Karkhana Limited, Sangli, Maharashtra.
18. Detailed Energy Audit at Sindicatum Bagasse India Pvt. Ltd., Cogen Unit, UP
19. Carbon footprint Assessment at Bilcare Limited, Pune
20. Electrical Safety Audit at State Bank of India, Maharashtra & Goa Branches.

Education:

Level	Qualification Level	Topic of the Subject	University/Board	Year of Passing
PG Diploma	Master of Technology	Energy Technology	DOT, Shivaji University	2017-18
Graduation	Bachelor of Engineering	Mechanical Engineering	A.I.S.S.M.S.'s COE, Pune, (Pune University)	2013-2014

Employment Record:

Designation/Position	Employer Name	Period
Junior Engineer	Raviraj Hi-Tech Pvt. Ltd., Pune	Aug 2014 – Aug 2016
Assistant Engineer	Raviraj Hi-Tech Pvt. Ltd., Pune	July 2018- Jan 2020
Senior Consultant	MITCON Consultancy & Engineering Services Ltd., Pune	March 2020- Present

Languages:

Languages	Speaking	Reading	Writing
Marathi	✓	✓	✓
English	✓	✓	✓
Hindi	✓	✓	✓

Certification

I am willing to work on the Project and I will be available for entire duration of the Project assignment as required. I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experience.

Place: Pune**Date:** 05/08/2021**Name:** Akash More

Curriculum Vitae (CV)

Name of Consultant: M/s. MITCON Consultancy & Engineering Services Ltd.

Name of Staff: Mr. Chintan Shah

Date of Birth: 22nd January 1991

Year of Experience: 7+ years

Nationality: Indian

Membership in Professional Societies: Certified Energy Auditor (EA-29694), Bureau of Energy Efficiency, Under Ministry of Power, Gov. of India.

Detailed Tasks Assigned:

- Planning for Energy Audit.
- Leading Energy Audit Team for data collection, measurements, analysis and preparation of Energy Audit Report
- Primary Data collection from plant and measurements taken during Field Analysis for Energy Conservation Measures /Solutions and prepare a detailed Report on Observations and Steps to be taken for Energy Conservation.
- Data Collection and performance testing of HVAC (Duct Designing, Installation & Commissioning), Pumping System, Fans & Blowers, Compressors, Cooling Towers, Process Machineries, LT power distribution systems, DG SET, Compressor, Diesel/Gas Generators, Transformers, Capacitors, AC Motors, Lighting, Thermography with the help of tools.
- Performance Analysis Calculations of Boiler, Air preheater, Economizers, Steam Turbine, Gas Turbine, HRSG, Heat Exchanger and other thermal Utility.
- Costing/Investment requirement, Pay Back Period and Internal Rate of Return Calculation.
- Dealing with Clients for Technical discussion, preparing proposals, submitting reports.

Key Qualifications:

Certified Energy Auditor from Bureau of Energy Efficiency (Ministry of Power, GOI) and having varied experience in energy auditing of various industries including railways, textiles, thermal power plants, integrated steel plants, commercial building etc. He is well versed with energy and efficiency related measurements and analysis of major energy consuming equipment.

Some assignments handled are:

1. Baseline energy audit and Energy Forecast modeling at Asian Paints Ltd, Pune. Functions include Study of Thermal utility (Package boilers and Thermic fluid heater) energy performance and efficiency calculation, Techno economic solutions for efficiency improvement of thermal utility, Air compressor energy performance testing and root cause analysis for efficiency degradation, Process and energy mapping for material charging

2. RLA and energy performance study at Barwani Sugar Mill under Olam Agro Ltd. Functions include measurement of boiler tube thickness and detect possible causes for thickness erosion.
3. Energy performance study for 10 Steel Rerolling mills at UNDP-BEE project at SRRM Bhavnagar cluster. Functions include Steel furnace energy performance calculation (Flue gas analysis, furnace drafting, mass and heat balance, Specific energy consumption calculation)
4. Energy Efficiency and awareness in Ceramic Industries at UNIDO-GEF-BEE project at Thangadh ceramic cluster. Responsibilities include: Conducting Energy Awareness Workshop to Cluster members, conducting comprehensive Energy Audit in 6 ceramic units
5. Mandatory Energy Audit as per BEE guidelines for PAT at 2 cotton spinning units of Vardhman Textiles Ltd. Group.
6. Mandatory Energy Audit as per BEE guidelines for PAT at Shree Rama Newsprint Ltd. Surat
7. Mandatory Energy Audit as per BEE PAT scheme at Bharat Vijay Mills C/o Sintex Ltd. Kalol
8. Promoting Energy Efficiency in Food processing cluster at BEE-GEF Ujjain Food processing cluster. Responsibilities include Conducting Energy audit in 8 different food processing unit in Ujjain, analysis of each energy consuming process and utility, providing solutions for improving energy efficiency.
9. Energy performance assessment of raw water, sewage water, intake well and water distribution pumping systems at 20 sites under Surat Municipal Corporation.
10. Detailed Energy Audit in more than 15 pharmaceutical facilities
11. Detailed Energy Audit at Reliance Industries Ltd., Hazira Complex, A petrochemical Industry
12. Detailed Energy Audit in more than 6 commercial building spaces
13. Consultancy services as per BEE PAT Cycle-II to Rankas Texfab Pvt. Ltd., A textile industry.
14. Mandatory Energy Audit of Thermal Power plant 2 x 135 MW of ACB India Ltd., Kasaipali, Korba, Chattisgarh
15. Mandatory Energy Audit of Thermal Power plant 5 x 800 MW Supercritical Thermal power Plant at Coastal Gujarat Power Ltd., Mundra, Gujarat
16. Mandatory Energy Audit of Iron & Steel unit of Mukand Ltd., Kalwe, Thane
17. Investment Grade Energy Audit at Gandhidham Nagarpalika, Gujarat 12 pumping stations and English Bazaar, West Bengal under EESL MEEP.
18. Walkthrough energy audits of 17 SMEs in the Kingdom of Saudi Arabia
19. Detailed Energy Audit in Saudi Arabian Glass Co., Jeddah, Kingdom of Saudi Arabia
20. Detailed Energy Audit in Middle East Paper Co., Jeddah, Kingdom of Saudi Arabia
21. Detailed Energy Audit in Saudi Arabia Ductile Iron pipe Co. Ltd., Dammam, Kingdom of Saudi Arabia
22. Investment grade energy audit of 12 Pumping Stations under Gujarat Urban Development Corp., Gujarat

Education:

Level	Qualification Level	Topic of the Subject	University/Board	Year of Passing
PG Diploma	Masters of Electrical Engineering	Energy System	Nirma University	2014-2015
Graduation	Bachelor of Engineering	Electrical Engineering	GTU	2013-2014

Employment Record:

Designation/Position	Employer Name	Period
Graduate Engineering Trainee	Development Environenergy Services Ltd.	June 2014 - Feb 2015
Analyst	Development Environenergy Services Ltd.	Feb 2015 - Jul 2016
Project Consultant	MITCON Consultancy & Engineering Services Ltd.	Jul-2016 - Jul 2019
Chief Consultant	MITCON Consultancy & Engineering Services Ltd.	Jul 2019 - Present

Languages:

Languages	Speaking	Reading	Writing
Hindi	✓	✓	✓
English	✓	✓	✓
Gujarati	✓	✓	✓

Certification

I am willing to work on the Project and I will be available for entire duration of the Project assignment as required. I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experience.

Place: Pune**Date:** 05/08/2021**Name:** Chintan Shah

Curriculum Vitae (CV)

Name of Consultant: M/s. MITCON Consultancy & Engineering Services Ltd.

Name of Staff: Mr. Pratik Srivastava

Date of Birth: 27th March 1993

Year of Experience: 7+ years

Nationality: Indian

Membership in Professional Societies: Certified Energy Manager (EA-32215), Bureau of Energy Efficiency, Under Ministry of Power, Gov. of India.

Detailed Tasks Assigned:

- Planning for Energy Audit.
- Leading Energy Audit Team for data collection, measurements, analysis and preparation of Energy Audit Report
- Primary Data collection from plant and measurements taken during Field Analysis for Energy Conservation Measures /Solutions and prepare a detailed Report on Observations and Steps to be taken for Energy Conservation.
- Data Collection and performance testing of HVAC (Duct Designing, Installation & Commissioning), Pumping System, Fans& Blowers, Compressors, Cooling Towers, Process Machineries, LT power distribution systems, DG SET, Compressor, Diesel/Gas Generators, Transformers, Capacitors, AC Motors, Lighting, Thermography with the help of tools.
- Performance Analysis Calculations of Boiler, Air preheater, Economizers, Steam Turbine, Gas Turbine, HRSG, Heat Exchanger and other thermal Utility.
- Costing/Investment requirement, Pay Back Period and Internal Rate of Return Calculation.
- Dealing with Clients for Technical discussion, preparing proposals, submitting reports.

Key Qualifications:

Certified Energy Auditor from Bureau of Energy Efficiency (Ministry of Power, GOI) and having varied experience in energy auditing of various industries including railways, textiles, thermal power plants, integrated steel plants, commercial building etc. He is well versed with energy and efficiency related measurements and analysis of major energy consuming equipment.

Some assignments handled are:

1. Energy Audit of M/s GAIL, Pata, Auraiya, U.P.
2. Up-scaling of Production of Small Scale Steel Industry in India on the Behalf of UNDP.
3. Energy Audit of M/s Indian Oil Corporation Limited, Barauni, Bihar.
4. Safety Audit of Jindal Institute of Medical Science, Hissar Haryana.
5. Investment Energy Audit of Urban Local Bodies in the city of Bhatinda, Meerut & Moradabad under "AMRUT"
6. Energy Audit M/s Sona BLW & Precision Forging Pvt. Ltd., Gurgaon, Haryana.

7. Energy Audit of M/s S K Enterprises
8. Energy Audit of three units of M/s APL Appolo Tubes Ltd., Sikandarpur, Uttar Pradesh.
9. Energy Audit of Gujarat Mineral Devolvement Corporation (2X125 MW thermal power plant), Akrimota, Gujarat
10. Energy Audit of M/s Shyam SEL & Power Ltd, Jamuria & Mangalpur, West Bengal
11. Energy Audit of Sub-stations under New Delhi Municipal Council
12. Energy Audit of ST Cottex Ltd, Ludhiana Punjab.
13. Energy Audit of M/s Ginni Filaments Ltd, Mathura UP
14. Deatiled Energy Audit under PAT Cycle for client/ Site Locations- M/s SIL, Bhilwara, M/s A K Sprintex, Bhilwara, of M/s Shyam Century Ferrous Ltd. Guwahati, M/s Birla Textile Mill, Baddi, Himachal Pradesh, M/s Deepak Spinners Ltd, Baddi Himachal Pradesh, M/s Winsome Textile Industries Ltd., M/s Swastik Suiting Pvt. Ltd, M/s Sulzer Processors Pvt. Ltd., M/s Ronak Processors Pvt Ltd., M/s Rolex Processors, M/s Nitin Spinners Ltd.
15. Energy Audit of M/s Pashupati Polytex Pvt Ltd
16. Energy Audit of M/s Gujarat Narmada Valley Fertilizer & Chemical Ltd.
17. Energy Audit of M/s Shri Rama News Print Ltd.
18. Energy Audit of Lucknow & Varanasi Railway Station.

Education:

Level	Qualification Level	Topic of the Subject	University/ Board	Year of Passing
Graduation	B. E.	Electrical Engineering	AKTU, UP	2015-2016

Employment Record:

Designation/Position	Employer Name	Period
Energy Engineer	Bhagwat Technology & Energy Conservation Pvt. Ltd.	Jul 2016- Feb 2018
Project Consultant	MITCON Consultancy & Engineering Services Ltd.	Feb-2018-Present

Languages:

Languages	Speaking	Reading	Writing
Hindi	✓	✓	✓
English	✓	✓	✓
Bhojpuri	✓	✓	✓

Certification

I am willing to work on the Project and I will be available for entire duration of the Project assignment as required. I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experience.

Place: Pune

Date: 05/08/2021

Name: Pratik Srivastava

Curriculum Vitae (CV)

Name of Consultant: M/s. MITCON Consultancy & Engineering Services Ltd.

Name of Staff: Mr. Mohammad Anjum Mushtaque Alam

Date of Birth: 17th February, 1984

Year of Experience: 12+ years

Nationality: Indian

Membership in Professional Societies: Certified Energy Auditor
(AEE-Member International III)

Detailed Tasks Assigned:

- Planning for Energy Audit.
- Leading Energy Audit Team for data collection, measurements, analysis and preparation of Energy Audit Report
- Primary Data collection from plant and measurements taken during Field Analysis for Energy Conservation Measures /Solutions and prepare a detailed Report on Observations and Steps to be taken for Energy Conservation.
- Dealing with Clients for Technical discussion, preparing proposals, submitting reports.

Key Qualifications:

Certified Energy Auditor from (AEE-Member International III) USA and having varied experience in energy auditing of various industries including railways, textiles, thermal power plants, Hydro Power Plant, integrated steel plants, commercial building etc. He is well versed with energy and efficiency related measurements and analysis of major energy consuming equipment.

Some assignments handled are:

1. Team Lead for Baseline Energy Audit of DISCOMs in North India for Bureau of Energy Efficiency
2. Team Member for Energy Audit in Shyam Sell and Power Limited Mangalpur Plant.
3. Team Member for Energy Audit in Shyam Sell and Power Limited Jamuria Plant
4. Team Member for Energy Audit for Shyam Steel and Manufacturing Limited West Bengal.
5. Team Member for Energy Audit for Shyam Metalics and Energy Limited Odisha.
6. Team Member for Energy Audit of Lucknow and Varanasi Railway Stations, Uttar Pradesh
7. Team Member for Detailed Energy Audit of NDMC Electrical Distribution Network, New Delhi
8. Team Member for Detailed Energy Audit of Orient Bell Ceramics, Uttar Pradesh
9. Baseline Energy Audit of Tata Power Delhi Distribution Limited (TPDDL) and Noida Power Corporation Limited (NPCL)
10. Detailed Energy Audit for Saudi Arabian Ductile Iron Pipes Co Ltd (SADIPCL)-Amiantit, Dammam, KSA – 2019
11. Detailed Energy Audit for Future Factory for Ceramics & Porcelain (Future Ceramics), Dammam, KSA – 2019

12. Detailed Energy Audit for GULF STABILIZERS INDUSTRIES (GSI), Jubail, KSA – 2019
13. Detailed Energy Audit for Middle East Paper Company (MEPCO), Jeddah, KSA – 2019
14. Detailed Energy Audit for National Lime Company for Mining (Saudi Dolomite), Riyadh, KSA – 2019
15. Detailed Energy Audit for Saudi Arabian Glass Co. (SAGCO), Jeddah, KSA – 2019
16. Walkthrough Energy Audits for 60 Industrial Facilities for Saudi Energy Efficiency Center (SEEC), Ministry of Energy, Government of Saudi Arabia – 2018-2019
17. Development of Mini/Micro/Small renewable Projects (upto 10 MW) aggregating 90 MW (total 38 projects) in the state of Jammu & Kashmir, India for JAKEDA – BD. The scope included site assessment, Feasibility Studies, Detailed Project Reports, Tender development, Bid Assessment and PMC up to commissioning – 2016-2018
18. DPR & Tender Docs for 80 MW Upper Myagdi HEP, Nepal for Himalayan Infrastructure Fund – BD – 2016
19. Long Form Pre-Qualification for Turnarounds for mechanical works for Saudi Aramco, KSA – BD – 2015
20. Sumps & Cooling Tower Maintenance for Yanbu National Petrochemical Company (Yansab), KSA – BD – 2015
21. Dismantling & Restoring Work of YANPET U-10 Convection Project for YANPET, KSA – BD – 2015
22. VESSELS & DRUMS - MECHANICAL WORKS, TCS 2015, for Petro Rabigh, KSA – BD – 2015
23. T & I ACTIVITIES OF FIXED EQUIPMENT AT ZONE 1 for Saudi Aramco-Jeddah, KSA – BD – 2014
24. RETUBING OF HEAT EXCHANGER LFC & FIN FAN / AIR COOLERS LFC for Petro Rabigh, KSA – BD – 2014
25. Digitization of Basin wise plans, identification of new, HEPs and Feasibility Studies for all identified renewable projects in the state of Himachal Pradesh for Directorate of Energy, Himachal Pradesh – BD – 2010
26. High Speed Rail corridors for Mumbai-Ahmedabad, Delhi-Patna & Delhi-Agra Corridors – BD – 2010
27. Delhi-Mumbai Corridor for DFIDC – BD – 2009-10
28. Duba, Tabouk & AlWajdh TPP expansion for AJEC, KSA – BD – 2009-10
29. 120 MW Vyasi HEP, UK, India for UJVNL – BD – 2010
30. PMC for Chennai International Airport – BD – 2009-10
31. 120 MW Miyar HEP, HP for MBPPL – BD – 2009
32. 2 x 300 MW CESC Haldia TPP, WB – BD – 2009
33. 2 x 660 MW GMR Shadol TPP, MP – BD - 2009

Education:

Examination	Year	Institution	Percentage
Master of Business Administration (MBA)	2008	AMU	65 %
B. Tech (Mechanical)	2006	AMU	65 %

Employment Record:

Designation /Position	Employer Name	Period
Chief Consultant	MITCON Consultancy and Engineering Services Limited (India)	May 2018 to Till Date
Manager	Feedback Infra Pvt. Ltd. (India)	Oct 2016 to Mar 2018
Owner	Green Pharma (India)	Oct 2015 to Sep 2016
Engineer	Abdullah A Al-Barrak & Sons Co (Saudi Arabia)	Sep 2013 to Sep 2015
Senior Engineer	Lahmeyer International (India) Pvt. Ltd.	Sep 2008 to Sep 2013
Engineer	Everest Blowers (India)	May 2008 to Aug 2008

Languages:

Languages	Speaking	Reading	Writing
Hindi	✓	✓	✓
English	✓	✓	✓
Urdu	✓	✓	✓
Arabic	×	✓	×

Certification

I am willing to work on the Project and I will be available for entire duration of the Project assignment as required. I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experience.

Place: Pune**Date:** 05/08/2021**Name:** Mohammad Anjum

Curriculum Vitae (CV)

Name of Consultant: M/s. MITCON Consultancy & Engineering Services Ltd.

Name of Staff: Mr. Rahul Kumar

Date of Birth: 10th April, 1993

Year of Experience: 6+ years

Nationality: Indian

Membership in Professional Societies: Certified Energy Auditor (EA-30703), Bureau of Energy Efficiency, Under Ministry of Power, Gov. of India.

Detailed Tasks Assigned:

- Planning for Energy Audit.
- Leading Energy Audit Team for data collection, measurements, analysis and preparation of Energy Audit Report
- Primary Data collection from plant and measurements taken during Field Analysis for Energy Conservation Measures /Solutions and prepare a detailed Report on Observations and Steps to be taken for Energy Conservation.
- Data Collection and performance testing of HVAC (Duct Designing, Installation & Commissioning), Pumping System, Fans& Blowers, Compressors, Cooling Towers, Process Machineries, LT power distribution systems, DG SET, Compressor, Diesel/Gas Generators, Transformers, Capacitors, AC Motors, Lighting, Thermography with the help of tools.
- Performance Analysis Calculations of Boiler, Air preheater, Economizers, Steam Turbine, Gas Turbine, HRSG, Heat Exchanger and other thermal Utility.
- Costing/Investment requirement, Pay Back Period and Internal Rate of Return Calculation.
- Dealing with Clients for Technical discussion, preparing proposals, submitting reports.

Key Qualifications:

Certified Energy Auditor from Bureau of Energy Efficiency (Ministry of Power, GOI) and having varied experience in energy auditing of various industries including railways, textiles, thermal power plants, integrated steel plants, commercial building etc. He is well versed with energy and efficiency related measurements and analysis of major energy consuming equipment.

Some assignments handled are:

1. Lead Auditor in Shyam Sell and Power Limited Mangalpur Plant.
2. Lead Auditor in Shyam Sell and Power Limited Jamuria Plant
3. Lead Auditor for Shyam Steel and Manufacturing Limited West Bengal.
4. Lead Auditor for Shyam Metalics and Energy Limited Odisha.
5. Auditor for Energy Audit of Lucknow and Varanasi Railway Stations, Uttar Pradesh
6. Lead Auditor in Detailed Energy Audit of NDMC Electrical Distribution Network, New Delhi

7. Lead Auditor for Detailed Energy Audit of Orient Bell Ceramics, Uttar Pradesh
8. Baseline Energy Audit of Tata Power Delhi Distribution Limited (TPDDL) and Noida Power Corporation Limited (NPCL) New Delhi.
9. Auditor for Detailed Energy Audit of Kutch lignite thermal Power station KLTPS, Gujarat
10. Auditor for IOCL Naphtha Cracker Panipat (Process and Utility Audit in DCM Textile Hisar Haryana
11. Auditor for PAT for Jodhpur Railway division (Specific fuel Consumption & GTKM calculation).
12. Auditor for Detailed Energy Audit of Hindustan Aeronautics Limited (HAL) Kanpur
13. Auditor for Energy Audit of DMW Railway workshop Patiala (Punjab).
14. Auditor for Mandatory Energy Audit in Indian oil corporation Limited (IOCL) Mathura (UP)
15. Auditor for Energy Audit of Indian Oil Corporation limited Panipat.
16. Auditor for Energy Audit of NRL refinery Guwahati.
17. Auditor for Energy Audit of Thermal Power station Panipat
18. Auditor for Energy Audit of Thermal Power Station Yamuna Nagar.
19. Auditor for Energy Audit of Thermal Power station Durgapur.
20. Auditor for Energy Audit of HMEL Refinery Bhatinda.
21. Auditor for Energy Audit of BPCL Refinery Mumbai.
22. Auditor for Energy Audit of Ordinance factory ichhapur (West Bengal).
23. Auditor for Energy Audit of Central electronics limited Ghaziabad.
24. Auditor for Energy Audit of Supreme court of India
25. Auditor for Energy Audit of Ordinance factory Orissa.
26. Auditor for Energy Audit of Ordinance factory Jabalpur
27. Auditor for Energy Audit of Water treatment plant at Itanagar (Under PHED)

Education:

Level	Qualification Level	Topic of the Subject	University/Board	Year of Passing
Graduation	Bachelor of Engineering	Electrical & Electronics Engineering	RVPV Bhopal	2014-2015

Employment Record:

Designation/Position	Employer Name	Period
Energy Engineer	Pranat Engineers Pvt Ltd.	June 2015- Dec 2015
Assistant Manager (Energy Audit)	Pranat Engineers Pvt Ltd.	Jan 2016- Dec 2018
Manager (Energy Audit)	Pranat Engineers Pvt Ltd.	Jan 2019- Oct 2019
Senior Consultant	MITCON Consultancy & Engineering Services Ltd.	Nov 2019- Present

Languages:

Languages	Speaking	Reading	Writing
Hindi	✓	✓	✓
English	✓	✓	✓
Bhojpuri	✓	✓	✓

Certification

I am willing to work on the Project and I will be available for entire duration of the Project assignment as required. I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experience.

Place: Pune

Date: 05/08/2021

Name: Rahul Kumar

Curriculum Vitae (CV)

Name of Consultant: M/s. MITCON Consultancy & Engineering Services Ltd.

Name of Staff: Jignesh P Patel

Date of Birth: 23rd February, 1977

Year of Experience: + years

Nationality: Indian

Membership in Professional Societies: Accredited Energy Auditor (AEA-0104) Bureau of Energy Efficiency, Under Ministry of Power, Gov. of India.

Education:

Educational Qualification	M.B.A (Operations Management), M. Tech (Energy System), AMIE (Electrical Engineering), B.E. (Electrical Engineering), Diploma Electrical Engineering
---------------------------	--

Employment Record:

Designation/Position	Employer Name	Period
Design Engineer	John F Welch Technology Centre, GE.	2005-2006
Executive Engineer	ESL India Ltd.	June-2006 to Jan-2010
Dy. Manager	AEIL	Jan-2010 to Feb-2015
Manager- Technical	ABB India Limited	March-2015 to Dec-2017
Operations Head	Energy System Engineering	Dec-2017- Jun 20
Associate Consultant	MITCON Consultancy & Engineering Services Ltd.	Jun 20- present

Some assignments handled are:

- Empanelled with Power Grid Corporation of India Limited as an A1 Grade Energy Professional
- Liaising with State Electricity Boards and Electricity Regulatory Commissions for certification, tariff petitions & clearances of grid connected independent/captive co-gen power projects.
- Delivered Lectures on Power Quality and Energy Conservation in workshops and seminars organized by FICCI, CII, USDOE, International Copper Promotion Council (ICPC), NPC and various colleges and technical institutions.
- Preparation of Detailed Project Reports (DPR's) for Independent Power Plants (IPP's) - Biomass as well as Coal, Captive Co-generation Power projects (CPP's) synchronized with grid at Chemicals, Sugar, Textile & Paper industries.
- Conducted more than 25 PAT (Perform, Achieve and Trade) M&V and 5 C&V Audit as per Government of India Guideline to reduce the carbon foot prints

Languages:

Languages	Speaking	Reading	Writing
Hindi	✓	✓	✓
English	✓	✓	✓
Gujarati	✓	✓	✓

Certification

I am willing to work on the Project and I will be available for entire duration of the Project assignment as required. I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experience.

Place: Pune**Date:** 05/08/2021**Name:** Mr. Jignesh P Patel